



ज्ञानगंगा घोघरी



Yashwantrao Chavan Maharashtra Open University

School of Sciences

(Formerly School of Architecture, Science & Technology)

PROSPECTUS 2026

for Certificate, Diploma, UG, PG & PhD Programmes

Essential Information about all Academic Programmes
from School of Sciences



Website: <https://ycmou.ac.in>
and <https://ycmou.digitaluniversity.ac>



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School of Sciences, YCMOU, Nashik - 422 222, MH, India

SCHOOL OF SCIENCES

Important Note Regarding Fresh or New Admission and Further Admission for Postgraduate Programmes

Postgraduate Programmes as per NEP2020

2 Year - 4 Semester PG Degree (88 Credits) **after** Three Year UG Degree

SN	Programme Code & Name	Fresh Admission 1 st Yr	Further Admission 2 nd Yr
From Academic Year 2023-2024			
1	V151: M.Sc.(Mathematics){2023 Pattern}		
2	V152: M.Sc.(Environmental Science){2023 Pattern}		
3	V153: M.Sc.(Physics){2023 Pattern}		
4	V154: M.Sc.(Chemistry){2023 Pattern}		
5	V155: M.Sc.(Zoology){2023 Pattern}		
6	V156: M.Sc.(Botany){2023 Pattern}		
From Academic Year 2025-2026			
7	V157: M.Sc.(Mathematics with Computer Applications) {2025 Pattern}		

Important Note Regarding Fresh or New Admission and Further Admission for Undergraduate Programmes

I. Bachelor's Honours Degree Programmes as per NEP2020 from Academic Year 2025-2026 and onwards:

S N	Programme Code & Name	Major	Minor (Anyone of the following other than Major)	Fresh Admission 1 st Yr	Further Admission		
					2 nd Yr	3 rd Yr	4 th Yr
1	UGV01: B.Sc.(Honours)(Physics){2025 Pattern}	Physics	Chemistry, Mathematics, Botany, Zoology, Environmental Science	✓	✗	✗	✗
2	UGV02: B.Sc.(Honours)(Chemistry){2025 Pattern}	Chemistry	Physics, Mathematics, Botany, Zoology, Environmental Science	✓	✗	✗	✗
3	UGV03: B.Sc.(Honours)(Mathematics){2025 Pattern}	Mathematics	Physics, Chemistry, Botany, Zoology, Environmental Science	✓	✗	✗	✗
4	UGV04: B.Sc.(Honours)(Botany){2025 Pattern}	Botany	Physics, Chemistry, Mathematics, Zoology, Environmental Science	✓	✗	✗	✗
5	UGV05: B.Sc.(Honours)(Zoology){2025 Pattern}	Zoology	Physics, Chemistry, Mathematics, Botany, Environmental Science	✓	✗	✗	✗
6	UGV06: B.Sc.(Honours)(Environmental Science){2025 Pattern}	Environmental Science	Physics, Chemistry, Mathematics, Botany, Zoology	✓	✓	✗	✗

II. Bachelor's Degree Programmes **before** Academic Year 2026-2027:

SN	Programme Code & Name (Withdrawn in 2026)	Fresh Admission 1 st Yr	Further Admission	
			2 nd Yr	3 rd Yr
1	V92: B.Sc.(Physics, Chemistry, Mathematics){2015 Pattern}	✗	✓	✓
2	V100: B.Sc.(Botany, Chemistry, Zoology){2023 Pattern}	✗	✓	✓

SCHOOL OF SCIENCES PROGRAMME CALENDAR

Note: This University and School will follow the Programme Calendar declared by UGC/DEB New Delhi time to time.

Teaching-Learning of students shall start from 01-September/01-Feb every year.

SN	Activity Description	Odd Semesters like 01, 03, 05 and 07 From 01-Sep Till 31-Jan	Even Semesters like 02, 04, 06 and 08 From 01-Feb Till 31-Jul
Online Admission: Offered on Annual basis for 2 semesters in each academic year.			
01	Fresh and Further Yearly Admission	From June/ July Till Aug	NA
Teaching-Learning at the Learner Support Centres (LSCs) / SCs for all Theory, Practical, Term-Work, Project Work, Minor, OE, VSC, SEC, AEC, IKS Courses			
02	Teaching- Learning (16 Weeks) & Backlog Clearing	From 01-Sep Till 30-Nov	From 01-Feb Till 23-May
Online End Exam (EE) Form Submission (Required only for Repeater Students)			
03	Online EE Form Submission by SCs / Students at University	On or Before 21-Oct	On or Before 23-Apr
Continuous Assessment (CA) Submission			
04	CA Availability	From 01-Sep Till 30-Nov	From 01-Mar Till 23-May
05	CA Submission by Students	From 01-Nov Till 30-Nov	From 01-May Till 31-May
End Examination (EE)			
06	End Exam for Theory Courses	Last Week of Dec to 1st Week of Jan	Last Week of May to 1st Week of Jun
07	EE for Activity Courses (P, TW, PW, RP)	Before the schedule of the end exam for theory courses, but positively before 15-Dec	Before the schedule of the end exam for theory courses, but positively before 15-May
08	EE for Activity Courses (OJT/FP)	Immediately after/ before the schedule of the end exam for theory courses, but positively before 30-Dec	Immediately after/ before the schedule of the end exam for theory courses, but positively before 30-Jun
09	End Exam Result Declaration	On or Before 31-Jan	On or Before 31-Jul
Semester End Vacation			
10	Semester End Vacation	Jan	July

WITHDRAWN PROGRAMMES DETAILS

Schedule of Last Further Admission Time Slot and End Exam for **Withdrawn Programmes (Total 10)**

SN	Programme Details	Last Further Admission Time Slot	Last End Exam
Science			
Certificate:01, Diploma:01, UG: 02, PG: 06, Total: 10			
01	V130: M.Sc. (Mathematics) {2021 Pattern}: 2 Years duration, withdrawn in 2023	During Jun-Aug 2025	May-Jun 2027
02	V136: M.Sc. (Environmental Science) {2021 Pattern}: 2 Years duration, withdrawn in 2023	During Jun-Aug 2025	May-Jun 2027
03	V141: M.Sc. (Physics) {2022 Pattern}: 2 Years duration, withdrawn in 2023	During Jun-Aug 2025	May-Jun 2027
04	V142: M.Sc. (Chemistry) {2022 Pattern}: 2 Years duration, withdrawn in 2023	During Jun-Aug 2025	May-Jun 2027
05	V143: M.Sc. (Zoology) {2022 Pattern}: 2 Years duration, withdrawn in 2023	During Jun-Aug 2025	May-Jun 2027
06	V144: M.Sc. (Botany) {2022 Pattern}: 2 Years duration, withdrawn in 2023	During Jun-Aug 2025	May-Jun 2027
07	V135: Diploma in Environmental Science {2021 Pattern}: 1 Year duration, withdrawn in 2024	During Jun-Aug 2025	May-Jun 2027
08	V92: B.Sc. (Phy, Che, Maths){2015 Pattern}: 3 Years duration, withdrawn in 2026	During Jun-Aug 2029	May-Jun 2031
09	V100: B.Sc. (Bot, Che, Zoo){2023 Pattern} : 3 Years duration, withdrawn in 2026	During Jun-Aug 2029	May-Jun 2031
10	C149: Certificate Programme in Beekeeping: 6 Months duration, withdrawn in 2026	During Jun-Aug 2027	May-Jun 2028



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MESSAGE FROM DIRECTOR

Welcome to the School of Sciences at YCM Open University!

The School of Sciences (formerly School of Architecture, Science and Technology) was established in 1989 to provide innovative and high quality, cost effective education in Architecture, Science and Technology disciplines relevant to the present needs of Society and Learners, with better academic quality and student support services. Currently, this School does not offer programmes in Architecture and Technology streams.

Presently, this School offers Certificate, Diploma, UG, PG and PhD Programmes in the Science faculty with the challenge of imparting good quality theoretical and practical education in five science disciplines, namely, Physics, Chemistry, Mathematics, Statistics and Life Sciences. These programmes in science disciplines are approved by the UGC New Delhi. This School fully complies with the “UGC ODL Programmes Regulations”. In a significant step toward inclusive education, the school has introduced various initiatives aligned with NEP 2020 to ensure education that is inclusive, accessible, and equitable for everyone.

All the programmes of this School are meticulously designed and developed with comprehensive approach from the renowned subject experts to ensure the quality, norms and standards of the education and examinations. Self-Learning Material (SLM)/ Textbooks, Lab Manuals, Audio-Video Lectures etc., in an easy to understand format are developed by the School for the learners. These resources facilitate learner-centered activities, ensuring that counsellors as well as learners can follow the necessary procedures and precautions systematically, leading to successful learning outcomes. These self-learning resources are made available in soft copy format from day one at our University website. This School has adopted this policy for the conservation of our global environment. Due to this policy, this School has kept lower fees for the academic programmes.

Teaching-learning for theory, practical conduction and project work, etc., for the learners is held as per the UGC norms in face-to-face mode by the qualified and experienced counsellors working at the recognized Learner Support Centers (LSCs), which are mainly Senior Science Colleges for the programmes from Science Discipline. Periodical Evaluation and Grading of the LSCs is done by this School to ensure academic quality in imparting teaching-learning to the learners.

Nearly 25,000 learners are enrolled in science programmes of this School in the distributed Learner Support Centers (LSCs) within Maharashtra. Our school is dedicated to fostering a vibrant academic community. We strive to ensure that every learner receives the support and resources necessary for their success.

We wish that you will enjoy the courses of YCM Open University, emerge successful and very soon become a knowledgeable and honorable Degree holder of this university, which is fully aligned with the features and framework of the National Education Policy (NEP) 2020. We intend to work hard in helping our learners shape their dreams and make those dreams into realities. Together, let us continue to pursue excellence in education.

We are blessed with the potential leadership of our Hon’ble Vice Chancellor, Prof. Sanjeev Sonawane, whose decisions, ideas, vision, and directives stand as the perpetual support system of our school.

I invite you to experience the best quality education from our YCM Open University!!!

Prof. Chetana Kamlaskar
Director & Professor,
School of Sciences

ABOUT US

ABOUT UNIVERSITY

Yashwantrao Chavan Maharashtra Open University (YCMOU) was established in July 1989 by the 'Act XX-(1989)' of the Maharashtra State Legislature. It is the fifth Open University in the country. This university is recognized under section 12 (B) by the 'University Grants Commission (UGC)' of India. 'The Commonwealth of Learning (COL)' Canada, conferred the prestigious '**Award of Excellence for Institutional Achievement**' for the year **2002** to this university. YCMOU is the first Open University in India, which is honored with this prestigious award.

Again in **2019**, Commonwealth of Learning (CoL) conferred the prestigious **Award of Institutional Excellence** to this University. YCMOU is the first Open University in India, which is honored with this prestigious award **twice**.

In 2022, this State University Accredited **with 'A' Grade by NAAC** (1st Cycle).

The YCMOU is a member of various prestigious associations and bodies like the Association of Indian Universities (AIU), Association of Commonwealth Universities (ACU), Asian Association of Open Universities (AAOU), Commonwealth of Learning (COL), Canada to name a few.

The university provides relaxed entry procedures. However, it does maintain its standards from curriculum design to examinations. The university may admit a student even when he is studying in another university / Board or is continuing his professional career. It may not ask for documents like Transfer or Leaving Certificate at the time of admission. At the same time the university takes all precautions (just as the other universities do) to ensure that the standards and quality of, education and exams, are preserved.

The Head office of this university is located in Nashik, India. The university operates through its **8 Regional Centers (RCs)** at Amravati, Chhatrapati Sambhajnagar, Kolhapur, Mumbai, Nagpur, Nanded, Nashik, Pune along with **several Learner Support Centers (LSCs)** exclusively within the state of Maharashtra.

LEARNER SUPPORT CENTERS (LSCs) / STUDY CENTERS (SCs) OF PROGRAMMES

This university has recognized programme wise Learner Support Centers (LSCs) /Study Centers (SCs) within the State of Maharashtra have to provide all specified student services **to the current and previously enrolled students** as per the approved university rules for all the programmes on offer or for the withdrawn programmes till the last event of End Examination (if applicable).

JURISDICTION AND REVISION OF RULES

All legal disputes regarding LSC/Study Center and enrolled students shall be subject to **Nashik jurisdiction** only. In order to cope up with unforeseen circumstances and to maintain high academic quality of these programmes, the university reserves the right to change, revise, update, add or delete any rule (**including rules regarding programme fees**) about these programmes, at any time. These modifications will be applicable to all students, **including previously enrolled students**.

LATEST UPDATE POLICY

Latest updated version of this prospectus shall be available at university website at <http://www.ymou.ac.in> for free download in PDF file format. Hence, students, LSCs and other stake holders are advised to always refer website for latest updated copy of this prospectus.

ABOUT SCHOOL

The **School of Sciences** (formerly School of Architecture, Science and Technology) is one of the Schools of the University. This School offers academic programmes from Science discipline.

Responsibilities of the School

This School is responsible for following various activities.

- Design and development of various need based academic programmes
- Development of syllabus
- Development of Self Learning Material
- Development of Audio-Video Lectures
- Support to SSD for LSC Management
- Support to Evaluation Division for Paper Setting and QB development activities
- Support to Examination Division for Assessment Activities
- Academic and administrative support to students
- Support to Regional and LSCs
- Conduction of training/ workshop for course writers/editors/ counsellors
- Systemic research and programme evaluation
- Faculty development and research activities

VISION

Quality Education in modern sciences with cost-effectiveness!

MISSION

The School of Sciences will offer educational programmes in Science discipline using such operational and Academic principles that optimize:

- Academic Quality
- Relevance to present needs of Industry, Society and Learners
- Time Quality
- Cost-effectiveness for learners and the University
- Quality based on contemporary requirements

PROGRAMME INFORMATION AT A GLANCE

The following total **28** Academic Programmes are from the School of Sciences during academic year **2026-27**.

Level	Programmes ON Offer (18) Admission and/ or Examination: Fresh Yes , Further Yes New LSC Recognition: Yes	Withdrawn Programmes (10) Admission and/ or Examination: Fresh No , Further Yes New LSC Recognition: No
Skill (1) (0)		
Diploma (1)(0)	T101: Diploma in Essential Skills (DES) {Learn & Earn 2019 Pattern}	-
Science (17)(10)		
Certificate (0)(1)	-	C149: Certificate Programme in Beekeeping [Transferred from Centre for Collaborations and Special Initiatives (CCSI)]
Diploma (1)(1)	V137: Diploma in Statistics{2021 Pattern}	V135: Diploma in Environmental Science {2021 Pattern}
UG (6)(2)	Offered as per NEP 2020 UGV01: B.Sc. (Honours) (Physics){2025 Pattern} UGV02: B.Sc. (Honours) (Chemistry){2025 Pattern} UGV03: B.Sc. (Honours) (Mathematics){2025 Pattern} UGV04: B.Sc. (Honours) (Botany){2025 Pattern} UGV05: B.Sc. (Honours) (Zoology){2025 Pattern} UGV06: B.Sc. (Honours) (Environmental Science) {2025 Pattern}	V92: B.Sc. (Phy, Che, Maths){2015 Pattern} V100: B.Sc. (Bot, Che, Zoo){2023 Pattern}
PG (7)(6)	Offered as per NEP 2020 V151: M.Sc. (Mathematics){2023 Pattern} V152: M.Sc. (Environmental Science) {2023 Pattern} V153: M.Sc. (Physics){2023 Pattern} V154: M.Sc. (Chemistry){2023 Pattern} V155: M.Sc. (Zoology){2023 Pattern} V156: M.Sc. (Botany){2023 Pattern} V157: M.Sc. (Mathematics with Computer Applications){2025 Pattern}	V130: M.Sc. (Mathematics){2021 Pattern} V136: M.Sc. (Environmental Science) {2021 Pattern} V141: M.Sc. (Physics){2022 Pattern} V142: M.Sc. (Chemistry){2022 Pattern} V143: M.Sc. (Zoology){2022 Pattern} V144: M.Sc. (Botany){2022 Pattern}
Ph.D. (3)(0)	R91: Ph.D. (Chemistry){2019 Pattern} R92: Ph.D. (Environmental Science){2019 Pattern} R41: Ph.D. (Geology){2019 Pattern}	-

ABOUT PROGRAMMES

ATTENDANCE

For all academic programmes regular and full attendance for all counselling sessions is highly recommended for better chances of successful completion of the course. Normally, minimum **80% attendance shall be essential** for counselling and practical sessions for all respective courses.

Successful completion of all specified activities for On Job Training (OJT), Field Projects (FP), Term Work (TW), Practical (P), Project-Work (PW) courses and its certification by the respective counsellor at LSC and Programme coordinator shall be essential before the end exam of that On Job Training (OJT), Field Projects (FP), Term Work (TW), Practical (P), Project-Work (PW).

DEGREE EQUIVALENCE STATUS

All these degree and post-graduate degree programmes are duly recognized and approved by the "University Grant Commission (UGC)". Approval status is available at UGC Website under the Distance Education Bureau (DEB) of UGC (ugc.ac.in) at

- [https://www.ugc.ac.in/pdfnews/FINAL%20RECOGNITION%20STATUS%2008-05 2019.pdf](https://www.ugc.ac.in/pdfnews/FINAL%20RECOGNITION%20STATUS%2008-05%202019.pdf) on Pages 45 to 48 of 95 [F.No. 1-18/2018 (DEB-I), Dated: 08-05-2019]
- https://www.ugc.ac.in/pdfnews/6032587_DEB-ODL-LIST.pdf, Dated 1^{0th} March, 2021 on Page 7 of 9
- https://deb.ugc.ac.in/pdf/ODL_List_2023_24.pdf, Dated 11 Sept, 2023 on Page 41 -45 of 94 [F. No. 30-30/2023 (DEB-III)]
- https://deb.ugc.ac.in/Uploads/Notices_Upload/UGC_20250403173353_1.pdf on page 39-41 of 91 [F. No. 1-6/2025 (DEB-NER), Dated: 2 April 2025]
- [https://deb.ugc.ac.in/pdf/HomePageRecognitionDetail/140/140_upload Reco gnitionDetails_20251006094751.pdf](https://deb.ugc.ac.in/pdf/HomePageRecognitionDetail/140/140_upload_Reco gnitionDetails_20251006094751.pdf) on page 43-45 of 105 [F. No. 1-10/2025 (DEB-SR), Dated: 3 Oct 2025]
- [https://deb.ugc.ac.in/pdf/HomePageRecognitionDetail/140/140_upload Reco gnitionDetails_20260413125414.pdf](https://deb.ugc.ac.in/pdf/HomePageRecognitionDetail/140/140_upload_Reco gnitionDetails_20260413125414.pdf) on pages 47 to 49 of 109 [F. No. 1-10/2025 (DEB-SR), Dated: 10 April 2026]

The legal status of this university is at par with all other statutory universities of India.

Equivalence related all relevant documents of all programmes of this School are available at the University website at School page at

- <https://drive.google.com/open?id=1tOtFcSxJdVnJMku7kQybuok9d2J6dOYi>

SELF-INSTRUCTIONAL LEARNING MATERIAL POLICY

1. "Self-Instructional Learning Material (SLM)" means - the learning material which is specially designed for the Open University students. This material is designed in such a manner that the students are able to understand most of the subject matter even in the absence of a teacher.
2. Depending upon the nature of the programmes the learning material (study material) is designed and developed in various formats and different methods are used for its delivery to the students. **SLM may be print or non-print/ electronic study material.**
3. As per the University policy, this School shall provide study material **in electronic format only for the programmes on offer**. The study material in electronic format shall be made available for **free download on the University Website at <http://www.ymou.ac.in/>**, under the **EBooks downloads**, which is accessible on the webpage of the School of Sciences.

PRINTED STUDY MATERIAL (छापील अभ्याससाहित्य)

All enrolled students should collect the printed study material/SLM from their respective Learner support centers/Study centers before the end examination of the programme. Students shall not be entitled to that study material after the result declaration (Applicable **only** for printed study material, **not for soft copies of SLM books**).

School of Sciences offers study material/SLM **in electronic format only for the programmes on offer**.

प्रवेशित झालेल्या विद्यार्थ्यांनी छापील अभ्याससाहित्य परीक्षेपूर्वी घेऊन जावे, निकाल लागल्यानंतर त्या अभ्याससाहित्यावर त्यांचा हक्क असणार नाही (फक्त छापील अभ्याससाहित्यासाठी लागू).

विज्ञान विद्याशाखेतर्फे राबविण्यात येणाऱ्या शिक्षणक्रमांसाठी अध्ययन सामग्री/एसएलएम फक्त इलेक्ट्रॉनिक स्वरूपात उपलब्ध करून देण्यात आले आहे.

INSTRUCTIONS FOR CREATING THE ACADEMIC BANK OF CREDITS- ID/APAAR ID

Dear Students,

As per the National Education Policy- 2020, it is mandatory for you to create the Academic Bank of Credits- ID. You are required to fill up the information regarding your Certificates, Diploma, and name of the Degree in the Digi Locker (ABC-NAD) or else it won't be possible to transfer the credits you'll earn through other programmes. You can register your Academic Bank of Credits-ID at the following portal <http://www.abc.gov.in/> or you can visit our university website at www.ycmou.ac.in wherein you are supposed to click on the 'Student Zone' tab, Under this tab, you will find the 'Academic Bank of Credits' option. After clicking on the Academic Bank of Credits option, you will get information and PPT's of how you can create your Academic Bank of Credits- ID.

ACADEMIC BANK OF CREDITS - ID /APAAR ID तयार करण्याबाबतची सूचना

विद्यार्थी मित्रांनो,

राष्ट्रीय शैक्षणिक धोरण-२०२० नुसार आपणास Academic Bank of Credits-ID तयार करणे अनिवार्य आहे. आपण प्राप्त केलेले प्रमाणपत्र, पदविका, पदवीची माहिती DigiLocker (ABC-NAD) वर भरावी लागणार आहे. त्याशिवाय इतर अभ्यासक्रमासाठी क्रेडिट ट्रान्सफर करता येणार नाही. आपणास Academic Bank of Credits-ID नोंदणी <http://www.abc.gov.in/> या पोर्टलवर करता येईल किंवा आपल्या विद्यापीठाच्या www.ycmou.ac.in या वेबसाईटला भेट द्या. या वेबसाईटवरील Student Zone या बटनला क्लिक करा. यातील Academic Bank of Credits वर क्लिक केल्यानंतर Academic Bank of Credits-ID तयार करण्यासंबंधित माहिती व PPT सादरीकरण आपणासाठी वेबसाईटवर उपलब्ध केलेले आहे.

GOLD MEDAL POLICY

As per Board of Management (BoM) resolution no. 184.4.1(A) dated 29.08.2022, this University has declared various prizes and gold medals to the meritorious students for their outstanding success achieved during the various programmes. The Gold Medal is among the most prestigious awards of the University.

This School appealed to eminent institute to sponsor Gold Medals by their names to various programmes offered by this School. Purpose to offer Gold Medals to the students is to recognize their efforts taken and success achieved, to feel them and their family proud, and to motivate other students for better performance to receive Gold Medal. In the 'Convocation', following two Gold Medals may be offered for the programmes of this School.

SN	Gold Medal sponsored by	For Programme
1	Dr. Vishwnath Karad Maharashtra Academy of Naval Education & Training (MANET), Loni-Kalbhor, Pune	M.Sc. (Mathematics)
2	Shri Rajaram Bapu Patil, Rajaram Bapu Institute of Technology, Rajaramnagar, Sakhrle, Islampur, Dist. Sangli	M.Sc. (Physics)

शिष्यवृत्ती योजना/ SCHOLARSHIP

मुक्त विद्यापीठात प्रवेशित अनुसूचित जाती, अनुसूचित जमाती, इतर मागास वर्ग, विमुक्त जाती / भटक्या जमाती, विशेष मागास प्रवर्ग व खुल्या प्रवर्गातील विद्यार्थ्यांना शासनाच्या शिष्यवृत्ती योजनांचा लाभ मिळतो. शिष्यवृत्ती संदर्भात सविस्तर माहिती जाणून घेण्यासाठी विद्यापीठ संकेतस्थळावरील शिष्यवृत्ती टॅब मधील माहिती बघावी.

शिष्यवृत्ती संदर्भातील माहितीसाठी विद्यार्थ्यांनी पुढील ईमेलवर संपर्क साधावा: scholarship@ycmou.ac.in

DEFINITIONS

In this document, unless the context otherwise requires, the following definitions shall apply.

GENERAL

- "**University**" means– Yashwantrao Chavan Maharashtra Open University, located at Nashik, Maharashtra, India.
- "**Act**" means - Act XX- (1989) (Amended by Act No XII of 2003) of the Maharashtra State Legislature.
- "**Academic Year**" means - duration of 1 year which **starts** from **01-Sep** and **ends on 31-July**
- "**Semester**" means - Each semester will consist of 15-18 weeks of academic work equivalent to on an average 100 actual teaching days. Thus, it is a group of some courses, which are offered during a time block of 6 months.
 - Odd numbered semesters like 01, 03, 05 ... **starts from 01-Sep** and **ends on 31-Jan**
 - Even numbered semesters like 02, 04, 06 ...**starts from 01-Feb** and **ends on 31-July**
- "**Session**" means - a time slot for a particular activity. Duration of counselling session is 60 or 120 minutes, while for end examination it is either 180 or 240 minutes for non-NEP programmes and it is either 75 or 150 minutes for Theory courses of NEP2020 programmes.

Course Types	Session Duration in Minutes for Counselling Session	Session Duration in Minutes for End Exam
Theory Courses	60	75/150/ 180
Practical Courses	120	90 / 180
Term-Work or Project-Work Courses	120	90 /180

- "**Batch**" means - a group of students.

Course Types	Batch for Counselling Session	Batch for End Exam
Theory Courses	60/ 120	30
Term Work or Practical Course	30	20

Project-Work Courses	15	10
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PROGRAMMES AND COURSES

1. **“Choice Based Credit System (CBCS)”**: The CBCS provides choice for students to select from the prescribed courses (core, applied, elective or minor or soft skill courses).
2. **“Credit Based Semester System (CBSS)”**: Under the CBSS, the requirement for awarding a degree or diploma or certificate is prescribed in terms of number of credits to be completed by the students.
3. **"Credit"** means - number of study hours, in multiples of 30 clock hours for theory and 60 clock hours for Practical that an average learner has to devote for effective learning. Thus, for 1 CR, an average learner has to devote 30 clock hours to successfully complete the study of the course. Study includes several activities like reading books, taking notes, solving problems, undergoing tests, performing experiments in laboratories, thinking, etc. It is a unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (lecture or tutorial) or two hours of practical work/field work per week.
4. **"Academic Programme"** means - a collection of correlated courses, which one must successfully complete in order to earn a certification by the university. Certification may be by certificate, diploma, advance diploma, graduate degree, postgraduate diploma, postgraduate degree or doctoral degree.
 - a. **“Programmes on Offer”** are those programmes where **fresh** admission to **new** prospective students is **offered along with** further admissions to already enrolled students.
 - b. **“Withdrawn Programmes”** are those programmes where fresh admission to new prospective students **is not offered along with** further admissions to already enrolled students.
5. **"Courses"** means - any single component of an academic programme (usually called as subjects) which one has to successfully complete, in order to earn a certification by the university. Courses may be of different types like Theory, Practical, OJT, Field Project, Term-Work, or Project Work. Each course is given a **unique** course code.
6. **"Backlog Course"** means – any course where student is admitted by the university but student could not successfully complete the course in the first compulsory end exam attempt.

LEARNER SUPPORT CENTERS (LSCs)/STUDY CENTERS

1. **"Learner Support Center (LSC)"** means - a place where the students attend the face-to-face counselling sessions for theory courses in classroom and conduct practical and/ or project type of activities in the laboratories and get other relevant services like Internet access, admission, examination and communication with university head office.
2. **"Programme Coordinator"** means - a person in charge of the administrative and academic affairs at the LSC. He plans the availability of counsellors, looks after the distribution of learning resource from library, arranges and coordinates counselling sessions, etc.
3. **"Learner Support Center (LSC) Head"** means - the head of LSC who is normally the principal of the institution, where LSC is located. He may not participate in the day-to-day activities of the LSC, but will play an active role in case of any serious problem at the LSC.

DACECT

1. **"Direct Admission (DA)"** means - due to higher pre-qualification than specified minimum eligibility, along with the supporting documents, students shall be directly admitted to specified higher year. **Students are allowed to apply for online direct admission only once before at the time of the first fresh admission.** Students are required to successfully complete in end exam (**as permitted by the end exam time table**) all those courses which are not exempted. Hence, total time duration of the academic programme may be reduced and student is not required to pay fees for the lower semesters. Direct admission shall be given only when student apply online for it, along with attested photocopies of specified documents.
2. **"Course Exemption (CE)"** means - the student who successfully completes with specified minimum percentage of marks or better in specified subjects with similar syllabus but with different evaluation pattern, in the exams conducted by the **either Board or university**, is exempted from certain courses of these programmes. If course exemption is sanctioned, the student need not appear in any examination for that course, as it is treated as a successfully completed. But no previous performance is used for reporting in Mark-Sheet. Only mark of exemption, that is 'X', is put against exempted course. **Students are allowed to apply for online course exemptions only once at the time of the first fresh admission.** Course Exemptions shall be given only when student apply online for it, **along with direct admission** along with attested photocopies of specified documents. Student is required to pay **Direct Admission and Course Exemption fee** specified by the University for Respective Programme.
3. **"Credit Transfer (CT)"** means - the student who successfully complete specified subjects with specified minimum percentage of marks or better with similar syllabus and evaluation pattern, in the exams conducted by the **either Board or University** are exempted from certain courses of these programmes. If credit transfer is sanctioned, the student need not appear in any examination for that course, as it is treated as a successfully completed. Previous marks (or in case of grades, equivalent mean marks of the grade range) are used as it is for reporting in Mark-Sheet. **Students are allowed to apply for online credit transfers only once at the time of the first fresh admission.** Student is required to pay Credit Transfer fee of Rs 1000/- for each course as specified by the University for the Respective Programme. Credit transfers shall be given only when student apply online for it, **along with direct admission**, along with attested photocopies of specified documents.

ADMISSION

1. **"Online Annual Admission"** means - Normally, online admission is given only once in a year (typically in July - August) to first year or 2 semesters, that is, odd and even numbered semesters, in an academic year. Thus, along with the admission form, students shall be required to pay '**University Share Fee (USF)**', '**LSC Share Fee (LSCF)**', '**Mandatory Fee (MF)**' and '**End Exam Fee (EEF)**' for both semesters. The '**End Exam Fee (EEF)**' includes the **first** compulsory attempt of end exam for **all courses at each semester**.
2. **"Online New or Fresh Admission"** means - **First** admission to the academic programme. Normally, new/ fresh admission is given to the lowest numbered semester. Students are required to apply online for new/ fresh admission in the prescribed format along with the attested scanned photocopies of specified documents need to be uploaded and payment of the specified fees for the programme need to be paid online by net banking/ credit or debit card.
3. **"Online Further Admission"** means - **all next** admissions (**after first admission**) to the each successively higher numbered year/ semesters of the academic programme. Students having Permanent Registration Number (**PRN**) are eligible to apply for the **Online Further**

Admission. The students have to complete similar process as mentioned for the Fresh Admission. Student can select another LSC during online further admission process.

4. **"Student Registration"** means - confirmation of the admission of the student to the specified year/semesters of the academic programme by the university, after submission of a completed online admission form along with uploaded scanned photocopies of specified documents and online payment of the specified fees for the programme. **Student registration is valid only during valid registration period.** The university assigns unique 'Permanent Registration Number (PRN)' to each student when he/she is registered for the academic programme during the first fresh admission.
5. **"Valid Registration Period"** means - Maximum duration of the programme required to successfully complete any program for the award of the degree/ diploma.
 - a. As per "UGC Open and Distance Learning Programmes and Online Programmes Regulations, 2020" published in the gazette notification, dated 4th Sept 2020 by the UGC notification No. F. 1-1/2020(DEB-I), **VRP for each programme shall be double the minimum duration of the respective programmes.** Accordingly, from the year 2024 this School has specified VRP as follows for non-NEP programmes.
 - VRP for 1 Year Diploma Progs is 2 Yrs
 - VRP for 2 Years Postgraduate Degree Progs is 4 Yrs
 - VRP for 3 Years Under Graduate Degree Progs is 6 Yrs
 - b. For **UG Honours programmes as per NEP 2020**, VRP for each programme is the minimum duration (4 Years) of programme + 03 Years = 7 Yrs
 - c. For **PG programmes as per NEP 2020**, VRP for each programme is the minimum duration of programme + 02 Years = 4 Yrs

Only within valid registration period, students are allowed to attend counselling sessions at the allotted LSC/ Study Center. **Extension of registration period shall not be allowed.**

COUNSELLING

1. **"Counselling Sessions (CS)"** means –Face-To-Face classroom sessions conducted at LSCs, by a well-qualified and experienced counsellor/ expert/ teacher to explain and clarifies doubts/difficulties of the students. During counselling sessions, students also perform practical or research activities / field project or project work in LSC laboratory. Last 4-5 hours of counselling for each course in a semester are reserved for assessment and feedback about "Continuous Assessment (CA)".
2. **"Counsellor"** means - a qualified and experienced expert/person at LSC, who conducts counselling sessions and helps the students in solving their difficulties.
3. **"Supervisor"** means - a qualified and experienced expert/person at LSC, who helps the students to perform practical or laboratory activities or project work in LSC laboratory.
4. **"Mentor"** means - a qualified and experienced person at allotted industry or business unit, for the guidance and supervision activities of the students. He coordinates monthly face-to-face single Mobile-Ready or Video lecture of one hour duration and helps the students in solving their difficulties. He also helps the students to perform "On Job Training" for the specified hours in allotted industry or business unit. Mentor also helps students in smooth and timely conduction of Continuous Assessment.
5. **"On Job Training (OJT)"** means – daily or periodic assigned work which student needs to perform at his/ her allotted industry or business unit. Normally 08 Hrs of "On Job Training" during **each** of 26 Working days needs to be completed by the students under Learn and Earn Scheme as per the Apprentice Act 1961.

And as per NEP 2020, UG and PG students shall complete one month On Job Training (OJT) or Internship (For 4 Credit Course, Total Study hours **120 hrs** including Internship Report).

6. **“Field Project (FP)”** means – A course requiring students to participate in field-based learning/projects generally under a qualified and experienced expert/Supervisor at LSC. PG students shall complete one month Field Project (For 4 Credit Course, Total Study hours **120 hrs** including Activity Report) and UG students shall complete half month (15 days) Field Project (For 2 Credit Course, Total Study hours **60 hrs** including Activity Report).
7. **“Community Engagement and Service (CEP)”** means – A course requiring students to participate in field-based learning/projects which involves activities aimed at exposing students to real socio-economic issues to complement theoretical knowledge, generally under a qualified and experienced expert/Supervisor at LSC.

UG students shall complete half month (15 days) CEP (For 2 Credit Course, Total Study hours 60 hrs including community engagement and service and preparation of Report).

8. **“Co-curricular (CC)”** means - A course requiring students to review the following list of Co-curricular Courses (CC) and select one that aligns with their interests. Students will be allocated one course from the list. The aim of the Co-curricular Course is to offer an opportunity to pursue passions outside the selected major and provide a well-rounded experience to the students.

At LSCs, supervisors will be assigned to mentor the activities related to the Co-curricular Course topic. Supervisors will collaborate with experts in the respective course to create a list of activities for students to perform.

Students must submit a hard copy of a **report along with a certificate** detailing the activities performed that are related to the topics of the chosen Co-curricular Course. Evaluation will be based on the report of activities submitted by the student at the respective LSCs. **More information about the evaluation of Co-curricular Courses (CC) will be updated on the university website.**

Basket of Co-curricular Courses is given as under:

1. Health and Wellness
 2. Yoga Education
 3. Sports and Fitness
 4. Cultural Activities
 5. NSS
 6. Fine/ Applied/ Visual/ Performing Arts
9. **“Research Project (RP)”** - The students will have to undertake a research project in their major area(s) of study of 4 credits in Semester III and a research project of 6 credits in Semester IV in the second year of the two-year master’s degree programme. This is also applicable to the students admitted to one year PG programme after completion of four year UG Programmes. RP promotes research culture and inquiry-based learning, develops critical thinking and scientific temperament.

REQUIRED COUNSELLING SESSIONS

Following table indicate **minimum** number of specified Face-to-Face counselling sessions which must be arranged by the LSC for **each** course during **each** semester to ensure minimum specified working hours during each semester.

Type of Courses	4 Credit		2 Credit	
	Counselling Sessions	Total Study hours of Learner	Counselling Sessions	Total Study hours of Learner
Theory	12 Sessions/ Sem [1 Counselling Session = 1 Hr]	120 Hrs	6 Sessions/ Sem [1 Counselling Session = 1 Hr]	60 Hrs
Practical	12 Sessions/ Sem [1 Session= 2 Hrs]	120 Hrs	6 Sessions/ Sem [1 Session=2 Hrs]	60 Hrs
Project	12 Sessions/ Sem [1 Session = 2Hrs]	120 Hrs	6 Sessions/ Sem [1 Session = 2Hrs]	60 Hrs
On Job Training	12 Sessions/ Sem [1 Counselling Session = 2Hrs]	120 Hrs	-	60 Hrs
Field Project	12 Sessions/ Sem [1 Counselling Session = 2Hrs]	120 Hrs	6 Sessions/ Sem [1 Counselling Session = 2Hrs]	60 Hrs

Level	Programmes	For each Theory Type of Course (Subject) of 4 Credits Duration of each counselling session shall be 01 Clock Hour (i)	For each Activity (Practical/Term Work/Project) Type of Course (Subject) of 4 Credits Duration of each Lab session shall be 02 Clock Hour (No. of Sessions) (ii)	Total Face-to-face counselling sessions Per Year (i)+(ii)	Total face-to-face counselling sessions for Programme
Diploma	T101: Diploma in Essential Skills (DES) {Learn & Earn} {2019 Pattern}	12	08 Hrs of "On Job Training" per day for all working days during each Semester	8T+2TW = 96Hrs + 08 Hrs of "On Job Training" per day for all working days during each Semester	8T+2TW = 96 Hrs + 08 Hrs of "On Job Training" per day for all working days during each Semester
	V137: Diploma in Statistics {2021 Pattern}	12	12	(6T(4Cr)+2P(4Cr)) = 120Hrs	120
UG	V92: B.Sc. (Phy, Che, Maths) {2015 Pattern}	12	12	(8T(4Cr)+6P(2Cr)) = 168 Hrs	504
	V100: B.Sc. (Bot, Che, Zoo) {2023 Pattern}	12	12	(8T+6P) = 168 Hrs	504

UG [As per NEP 2020]	UGV01:B.Sc. (Honours) (Physics) {2025 Pattern}	12	12	First Year: $(2T(4Cr)+10T(2Cr)+6P(2Cr)) = 156$ Hrs Second Year: $(2T(4Cr)+9T(2Cr)+5P(2Cr)+1FP(2Cr)+1CEP(2Cr)) = 162$ Hrs Third Year: $(4T(4Cr)+4T(2Cr)+2P(4Cr)+3P(2Cr)+1FP/CEP(2Cr)+1OJT(4Cr)) = 192$ Hrs Fourth Year: $(7T(4Cr)+2T(2Cr)+2P(4Cr)+1OJT(4Cr)) = 168$ Hrs	678
	UGV02:B.Sc. (Honours) (Chemistry) {2025 Pattern}	12	12	First Year: $(2T(4Cr)+10T(2Cr)+6P(2Cr)) = 156$ Hrs Second Year: $(2T(4Cr)+9T(2Cr)+5P(2Cr)+1FP(2Cr)+1CEP(2Cr)) = 162$ Hrs Third Year: $(4T(4Cr)+4T(2Cr)+2P(4Cr)+3P(2Cr)+1FP/CEP(2Cr)+1OJT(4Cr)) = 192$ Hrs Fourth Year: $(7T(4Cr)+2T(2Cr)+2P(4Cr)+1OJT(4Cr)) = 168$ Hrs	678
	UGV03:B.Sc. (Honours) (Mathematics) {2025 Pattern}	12	12	First Year: $(2T(4Cr)+10T(2Cr)+6P(2Cr)) = 156$ Hrs Second Year: $(2T(4Cr)+9T(2Cr)+5P(2Cr)+1FP(2Cr)+1CEP(2Cr)) = 162$ Hrs Third Year: $(4T(4Cr)+4T(2Cr)+2P(4Cr)+3P(2Cr)+1FP/CEP(2Cr)+1OJT(4Cr)) = 192$ Hrs Fourth Year: $(7T(4Cr)+2T(2Cr)+2P(4Cr)+1OJT(4Cr)) = 168$ Hrs	678
	UGV04:B.Sc. (Honours) (Botany) {2025 Pattern}	12	12	First Year: $(2T(4Cr)+10T(2Cr)+6P(2Cr)) = 156$ Hrs Second Year: $(2T(4Cr)+9T(2Cr)+5P(2Cr)+1FP(2Cr)+1CEP(2Cr)) = 162$ Hrs Third Year: $(4T(4Cr)+4T(2Cr)+2P(4Cr)+3P(2Cr)+1FP/CEP(2Cr)+1OJT(4Cr)) = 192$ Hrs Fourth Year: $(7T(4Cr)+2T(2Cr)+2P(4Cr)+1OJT(4Cr)) = 168$ Hrs	678

	UGV05:B.Sc. (Honours) (Zoology) {2025 Pattern}	12	12	First Year: $(2T(4Cr)+10T(2Cr)+6P(2Cr) = 156$ Hrs Second Year: $(2T(4Cr)+9T(2Cr)+5P(2Cr)+1FP(2Cr)$ $+1CEP(2Cr)) = 162$ Hrs Third Year: $(4T(4Cr)+4T(2Cr)+2P(4Cr)+3P(2Cr)$ $+1FP/CEP(2Cr)+ 1OJT(4Cr))= 192$ Hrs Fourth Year: $(7T(4Cr)+2T(2Cr)+ 2P(4Cr)+1OJT$ $(4Cr)) = 168$ Hrs	678
	UGV06:B.Sc. (Honours) (Environmental Science) {2025 Pattern}	12	12	First Year: $(2T(4Cr)+10T(2Cr)+6P(2Cr) = 156$ Hrs Second Year: $(2T(4Cr)+9T(2Cr)+5P(2Cr)+1FP(2Cr)$ $+1CEP(2Cr)) = 162$ Hrs Third Year: $(4T(4Cr)+4T(2Cr)+2P(4Cr)+3P(2Cr)$ $+1FP/CEP(2Cr)+ 1OJT(4Cr))= 192$ Hrs Fourth Year: $(7T(4Cr)+2T(2Cr)+ 2P(4Cr)+1OJT$ $(4Cr)) = 168$ Hrs	678

Level	Programmes	For each Theory Type of Course (Subject) of 4 Credits Duration of each counselling session shall be 01 Clock Hour (i)	For each Activity (Practical/Term Work/Project) Type of Course (Subject) of 4 Credits Duration of each Lab session shall be 02 Clock Hour (No. of Sessions) (ii)	Total Face-to-face counselling sessions Per Year (i)+(ii)	Total face-to-face counselling sessions for Programme
PG [As per NEP 2020]	V151: M.Sc. (Mathematics) {2023 Pattern}	12	12	First Year: (7T(4Cr)+2T(2Cr)+2P(4Cr)+1OJT/FP(4Cr)) = 168 Hrs Second Year: (6T(4Cr)+1T(2Cr)+2P(4Cr)+1RP(4Cr)+1RP(6Cr)) = 186 Hrs	354
	V152: M.Sc. (Environmental Science) {2023 Pattern}	12	12	First Year: (7T(4Cr)+2T(2Cr)+2P(4Cr)+1OJT/FP(4Cr)) = 168 Hrs Second Year: (6T(4Cr)+1T(2Cr)+2P(4Cr)+1RP(4Cr)+1RP(6Cr)) = 186 Hrs	354
	V153: M.Sc. (Physics) {2023 Pattern}	12	12	First Year: (7T(4Cr)+2T(2Cr)+2P(4Cr)+1OJT/FP(4Cr)) = 168 Hrs Second Year: (6T(4Cr)+1T(2Cr)+2P(4Cr)+1RP(4Cr)+1RP(6Cr)) = 186 Hrs	354
	V154: M.Sc. (Chemistry) {2023 Pattern}	12	12	First Year: (7T(4Cr)+2T(2Cr)+2P(4Cr)+1OJT/FP(4Cr)) = 168 Hrs Second Year: (6T(4Cr)+1T(2Cr)+2P(4Cr)+1RP(4Cr)+1RP(6Cr)) = 186 Hrs	354
	V155: M.Sc. (Zoology) {2023 Pattern}	12	12	First Year: (7T(4Cr)+2T(2Cr)+2P(4Cr)+1OJT/FP(4Cr)) = 168 Hrs Second Year: (6T(4Cr)+1T(2Cr)+2P(4Cr)+1RP(4Cr)+1RP(6Cr)) = 186 Hrs	354
	V156: M.Sc. (Botany) {2023 Pattern}	12	12	First Year: (7T(4Cr)+2T(2Cr)+2P(4Cr)+1OJT/FP(4Cr)) = 168 Hrs Second Year: (6T(4Cr)+1T(2Cr)+2P(4Cr)+1RP(4Cr)+1RP(6Cr)) = 186 Hrs	354
	V157: M.Sc. (Mathematics with Computer Applications) {2025 Pattern}	12	12	First Year: (7T(4Cr)+2T(2Cr)+2P(4Cr)+1OJT/FP(4Cr)) = 168 Hrs Second Year: (6T(4Cr)+1T(2Cr)+2P(4Cr)+1RP(4Cr)+1RP(6Cr)) = 186 Hrs	354

Level	Programmes	For each Theory Type of Course (Subject) of 4 Credits Duration of each counselling session shall be 01 Clock Hour (i)	For each Activity (Practical/Term Work/Project) Type of Course (Subject) of 4 Credits Duration of each Lab session shall be 02 Clock Hour (No. of Sessions) (ii)	Total Face-to-face counselling sessions Per Year (i)+(ii)	Total face-to-face counselling sessions for Programme
PG	V130: M.Sc.(Mathematics) {2021 Pattern}	12	-	(10T) = 120 Hrs	240
	V136: M.Sc.(Environmental Science){2021 Pattern}	12	12	(6T+2P)= 120 Hrs	240
	V141: M.Sc. (Physics) {2022 Pattern}	12	12	(8T+4P)= 144 Hrs	288
	V142: M.Sc. (Chemistry) {2022 Pattern}	12	12	(8T+4P)= 144 Hrs	288
	V143: M.Sc.(Zoology) {2022 Pattern}	12	12	(8T+4P)= 144 Hrs	288
	V144: M.Sc. (Botany) {2022 Pattern}	12	12	(8T+4P)= 144 Hrs	288
Ph.D.	R91: Ph.D. (Chemistry)	12	Not Applicable	Not Applicable	¹² (VRP of 3 yrs)
	R92: Ph.D. (Environmental Science)	12	Not Applicable	Not Applicable	¹² (VRP of 3 yrs)
	R41: Ph.D. (Geology)	12	Not Applicable	Not Applicable	¹² (VRP of 3 yrs)

EXAMINATION

FROM 2023 PATTERN ONWARDS

For UG and PG programmes as per NEP 2020, the detailed guidelines regarding “UG and PG programme Evaluation Pattern for “Continuous Assessment (CA)” and “End Examination (EE)” shall be provided in this prospectus [Refer page no 111 of this prospectus].

1. **"Continuous Assessment (CA)"** means - **'Open-Book Formative Evaluation without supervision'** by the Counsellor for the respective course at each LSC.
2. **"End Examination (EE)"** means - **'Closed-Book Summative Evaluation under supervision'**, which is an examination conducted by the University at the designated 'Exam Centers' under supervised conditions, at the end of each semester for all courses.
3. **"Very Short Answer type Question (VSAQ)"** means - a supply type question of 3 marks, which requires typical answer of about 8-10 lines ($\approx \frac{1}{4}$ to $\frac{1}{2}$ Pages) in about 04-06 minutes. Students do have choice of answering as he/she is required to answer 1 VSAQ on each credit in 'End Exam (EE)' for any theory type of course.
4. **"Short Answer type Question (SAQ)"** means - a supply type question of 5 marks, which requires typical answer of about 15-20 lines ($\approx \frac{1}{2}$ Page) in about 08-10 minutes. Students do have choice of answering as he/she is required to answer 1 SAQ on each credit in 'End Exam (EE)' for any theory type of course.
5. **"Long Answer type Question (LAQ)"** means – a supply type question of 10 marks, which requires typical answer of about 30-40 lines (≈ 1 to $1 \frac{1}{4}$ Pages) in about 16-20 minutes. This question may be composed of **smaller sub-questions** without options. Students do have choice of answering as he/she is required to answer 1 LAQ. End exam for theory type of course includes LAQs on all four credits.

BEFORE 2023 PATTERN

1. **"Continuous Assessment (CA)"** means - **'Open-Book Formative Evaluation without supervision'** by the Counsellor for the respective course at each LSC. CA for each credit shall be for 5 marks only.
2. **"End Examination (EE)"** means - **'Closed-Book Summative Evaluation under supervision'**, which is an examination conducted by the University at the designated 'Exam Centers' under supervised conditions, at the end of each semester for all courses. EE for each credit shall be for 20 marks only.
3. **"Short Answer type Question (SAQ)"** means - a supply type question of 5 marks, which requires typical answer of about 15 lines ($\approx \frac{1}{2}$ Pages) in about 08-10 minutes. Students do not have choice of answering as he/she is required to answer 1 SAQ on each credit in 'Continuous Assessment (CA)' and out of 5 SAQs 4 SAQs on each credit in 'End Exam (EE)' for any theory type of course.

BOTH BEFORE AND AFTER 2023 PATTERN

1. **"EE Attempt"** means - option offered by the university to the student, for choosing to appear in any end examination of any course for which respective student's admission is confirmed by the university. EE attempts are counted for each option offered by the university to the student, **irrespective of whether student actually chooses to appear in end exam or not.**
2. **"Online Exam Form"** means - the prescribed format of application for the “repeat end exam attempt” which may require for successful completion or performance improvement. **Only repeater students are required to submit online end exam form**, along with the payment for specified 'Exam Fee (EF)' during the specified duration.

3. **“Total Marks (TM)”**: ‘Total Marks (TM)’ shall be sum of “Continuous Assessment (CA)” marks and “End Examination (EE)” marks acquired by the student in each course.

SUCCESSFUL COMPLETION OF COURSE OR PROGRAMME

1. **“Successful Completion of the Course”** means - either course is exempted or student gets **minimum specified or better** total marks **or** grade, either in end examination of that course or by credit transfer.
 - a. A student obtaining grade **“F”** shall be considered failed and will be required to reappear in the examination.
 - b. **“P”** (Pass) letter grade required for successful completion of **each** course
2. **“Successful Completion of the Programme”** means - **all** courses at **all** semesters are **successfully completed**:
 - a. Student should acquire **minimum 35% aggregate** percentage of marks at **all** courses at **all** reporting semesters for programmes listed below:
 - For T101 programme from “Skill” discipline
 - b. Student should acquire **minimum 40% aggregate** percentage of marks at **all** courses at **all** reporting semesters for programmes listed below:
 - For all V92, V100, V141, V142, V143, V144, V130, V136, and V137 programmes from “Science” faculty
 - For all programmes as per NEP2020 from “Science” faculty - UGV01, UGV02, UGV03, UGV04, UGV05, UGV06, V151, V152, V153, V154, V155, V156 and V157
 - c. Student should acquire **minimum “P”** (Pass) letter grade **(55.00% Marks)** for **all** courses of PhD course work for (2019 Batch)
 - For all R91, R92, and R41 programmes from “Science” faculty

ABOUT AUDIT COURSES

For Postgraduate (PG) programmes [V141, V142, V143 and V144] without NEP:

As per the UGC notifications received time to time, in four (04) Postgraduate Programmes V141: M.Sc. (Physics), V142: M.Sc. (Chemistry), V143: M.Sc. (Zoology), V144: M.Sc. (Botany), students have to complete three (03) audit courses at Semester 01, 02 and 03.

This School has made available learning material for all audit courses in the form of SLM Textbook at the University website for self-study. All the students need to submit Home Assignment for these audit courses given by the Learner Support Center/University as per the specified schedule.

Counselling for these audit courses is not mandatory for the Learner Support Center. Students can refer other material for their knowledge enhancement.

ABOUT NON-CREDIT AUDIT COURSE

CYBER SECURITY (ONLINE NON-CREDIT AUDIT COURSE)

As per the directions of the University Grants Commission, Yashwantrao Chavan Maharashtra Open University has implemented a ‘Cyber Security’ course for students admitted to undergraduate and postgraduate degree programmes from the academic year 2024-25.

This audit course is **compulsory** for all Undergraduate (UG) and Postgraduate (PG) programmes [V92, V100, UGV01, UGV02, UGV03, UGV04, UGV05, UGV06, V151, V152, V153, V154, V155, V156 and V157].

The student must complete this **online non-credit audit course** at **semester III** of the respective programme. **Only after** passing the 'Cyber Security' course, students will get their degree certificate. The attached **Appendix 7** provides detailed information in this regard.

GRADING SYSTEM

1. **“Absolute Grading”**: the marks are converted to grades based on pre-determined class intervals.
2. **“Letter Grade”**: It is an index of the performance of students in a said programme. Grades are denoted by letters O, A+, A, B+, B, C, P and F.
3. **“Grade Point”**: It is a numerical weight allotted to each letter grade on a 10-point scale. Grade Point shall be “0 (Zero)” for Letter Grade “Ab” and “F”.

The marks scored by the examinee shall be converted into grade points by dividing the marks scored in the aggregate and dividing the resulting number by maximum marks, multiplying the result by ten, retaining the integer part (ignore the fractional part). Thus, if a person has secured 56 marks out of 100 marks in aggregate for a course, we get $(56/100) \times 10$ which is 5.6. Ignoring the fraction, we get 5 as the grade point.

4. The UGC recommends a 10-point grading system with the following letter grades and points as given below:

Percentage of Marks (Marks Obtained out of 100)	Grade Point	Semester GPA / Programme CGPA/ Semester/ Programme	Alpha-Sign /Letter Grade Result	Status
90 - 100	10	9.00 - 10.00	O (Outstanding)	Pass
80 - 89.99	9	8.00 - 8.99	A+ (Excellent)	Pass
70 - 79.99	8	7.00 - 7.99	A (Very Good)	Pass
60 - 69.99	7	6.00 - 6.99	B+ (Good)	Pass
55 - 59.99	6	5.50 - 5.99	B (Above Average)	Pass
50 - 54.99	5	5.00 - 5.49	C (Average)	Pass
40 - 49.99	4	4.00 - 4.99	P (Pass)	Pass
0 - 39.99	0	0 - 3.99	F (Fail)	Fail
Ab (Absent)	0	-	F (Absent)	Fail

5. **“Credit Point”**: It is the product of grade point and number of credits for a course.
6. **“Semester Grade Point Average (SGPA)”**: It is a measure of performance of work done in a semester. It is the ratio of sum of the product of the number of credits with the grade points scored by a student in all courses taken by a student and the sum of number of credits of all the courses undergone by a student:

$$SGPA (S_i) = \frac{\sum C_i G_i}{\sum C_i}$$

It shall be expressed up to two decimal places.

7. **“Cumulative Grade Point Average (CGPA)”**: It is a measure of overall cumulative performance of a student over all semesters. The CGPA is the ratio of total credit points secured by a student in various courses in all semesters and the sum of the total credits of all courses in all the semesters. The CGPA is also calculated in the same manner taking into account all the courses undergone by a student over all the semesters of a programme.

$$CGPA = \frac{\sum C_i S_i}{\sum C_i}$$

Where, S_i is the SGPA of the i th semester & C_i is the total number of credits in that semester.

It shall be expressed up to two decimal places.

8. **CGPA to Percentage Equivalence Formula:** (Not applicable to programmes as per NEP 2020)

$$\text{Percentage Equivalence} = 10 * CGPA - 7.5$$

$$(PE = 10 \text{ multiply by CGPA minus } 7.5)$$

(<https://ycmou.digitaluniversity.ac/WebFiles/CGPA%20To%20Per%20Equivalence%20calFormula1221.pdf>)

9. **“Transcript or Grade Card or Certificate”:** Based on the grades earned, a grade certificate shall be issued to all the registered students after every semester. The grade certificate will display the course details (code, title, number of credits, grade secured) along with SGPA of that semester and CGPA **earned till that semester**.

PROGRAMME INFORMATION AT A GLANCE

ABBREVIATIONS USED

Following abbreviations (arranged alphabetically) are used:

- **AAFA:** “Annual Admission Form Amount” for each year, which is payable amount along with the Admission Form. It includes Mandatory fee, Tuition fee, and End Exam Fee for 2 semesters in an academic year. The exam fee includes the first compulsory end exam attempt for all courses at the semester.
- **AE:** Admission Eligibility
- **Apvl:** Approvals from Statutory Authorities
- **C:** Category of Programme
- **CBCS:** Choice Based Credit System
- **CA:** Continuous Assessment
- **CE:** Certification Eligibility for the award of Diploma/ Degree Certificate
- **DACECT Fee:** Direct Admission, Course Exemption and Credit Transfer Fee
- **UA/EE:** University Assessment/End Examination
- **EEF:** End Exam Fee is payable to university for the first compulsory end exam attempt for all courses at the semester.
- **EF:** Exam Fee is payable to university along with the ‘Exam Form’, for **each** repeat end exam attempt.
- **Grading:** 10 Point Grading is used for result declaration
- **L:** Level of Programme
- **LSCF/SCF:** Learner Support Center Fee/ Study Center Fee for **each** Year
- **M:** Open and Distance Learning (ODL) Mode is used for Teaching-Learning of Programmes on offer and withdrawn
- **MA:** Maximum number of Attempts
- **MF:** Mandatory Fee
- **MDP:** Minimum Duration of Programme

- **MoI:** Medium of Instruction of Programme
- **MRA:** Minimum Required Attendance for Programme
- **NA:** Not Applicable
- **ODL:** Open Distance Learning
- **P:** Pattern (Semester / Annual) of Programme
- **PG:** Post-Graduate
- **PGD:** Post-Graduate Diploma
- **RS:** Reporting Semesters/ Year
- **RY:** Reporting Year
- **Sem:** Semester
- **Sylb:** Syllabus is available on the University website at www.ycmou.ac.in
- **Total:** Total Fee for each semester
- **Total Tuition Fee:** Total Tuition Fee for each semester consists of following 2 (Two) essential components:
 - University Share Fee (USF)
 - Learner Support Center Fee (LSCF)
- **USF:** University Share Fee (USF) is payable amount at the time of online admission for **each** Year for 2 semesters/ one year in an academic year. University Share fee (USF) also referred as University Tuition Fee.
- **UG:** Under-Graduate
- **VRP:** Valid Registration Period is the maximum duration of the programme required to successfully complete any program for the award of the degree/ diploma. As per UGC Open and Distance Learning Programmes and Online Programmes Regulations, 2020” published in the gazette notification, dated 4th Sept 2020 by the UGC notification No. F. 1-1/2020(DEB-I), VRP for each programme shall be **double the minimum duration of the respective programmes**. Accordingly, from the year 2024 this School has specified VRP as follows.
 - VRP for 1 Year Diploma Progs is 2 Yrs
 - VRP for 2 Years Postgraduate Degree Progs is 4 Yrs
 - VRP for 3 Years Under Graduate Degree Progs is 6 Yrs
 - VRP for 4 Years Under Graduate Honours Degree Progs is 7 Yrs as per NEP 2020
 - VRP for 2 Years Postgraduate programme is 04 Years as per NEP 2020
- **WP:** Withdrawn Programs are those programs for which **fresh/new admissions are stopped** but **further admissions are continued** by the University. Once program is withdrawn, student needs to take further admissions during the **specified time-slot** for further admissions and needs to successfully complete program during **specified time slot** for End Examination.

PROGRAMMES ON OFFER

For all “**Programmes on Offer**” (**Total 18 Programmes**):

1. Fresh Admissions **shall be offered**
2. Further Admissions **shall be offered**

STATISTICAL INFORMATION ABOUT PROGRAMMES ON OFFER:

Discipline → Level ↓	Skill	Science	Total
Diploma	1	1	2
UG	0	6	6
PG	0	7	7
PhD	0	3	3
Total	1	17	18

ESSENTIAL INFORMATION ABOUT ADMISSION

1. **Age:** Student shall be of **18 Yrs** of age at the time of admission to any Programme except T101 programme
2. **MoI:** Medium of Instruction is **English** for all Programmes
3. **MRA:** Minimum Required Attendance is 80% for all Programmes
4. During online admission for the first year or higher year admission few mandatory documents is required. Students should scan and upload all these documents for the eligibility checking and admission confirmation.
5. In case of lack of required documents/ fees, this University has full right to reject or cancel admission of the students.
6. It is the duty of the students and LSCs to follow all the guidelines and schedule specified for the admission.
7. LSCs should check all the required documents uploaded by the students with their originals, before giving LSC approval to the said admission of the student.
8. **IMP Note:** In case of **less than 20 admissions to any programme**, the university may take the decision to **not to offer** the programme. [Applicable since academic year 2024-25 and onwards]. In such case, total fees paid by the learner will be refunded.

MANDATORY DOCUMENTS REQUIRED FOR ADMISSION

LIST OF MANDATORY DOCUMENTS REQUIRED FOR ADMISSION

1. Document in support of Date of Birth (School Leaving Certificate/ SSC Certificate)
2. Aadhar Card

ADDITIONAL DOCUMENTS:

1. Caste Validity Certificate [if required]
2. Marriage Certificate/ Copy of Government Gazette/ Affidavit [If name is changed after marriage or in case of change of name]

PROGRAMME WISE ELIGIBILITY DOCUMENTS REQUIRED FOR ADMISSION

SN	Prog Code and Name	Eligibility for Admission	Documents Required
1	T101: Diploma in Essential Skills (DES) {Learn & Earn 2019 Pattern}	SSC (10 th) Pass	SSC (10 th) Marksheet/ Board Certificate
2	V137: Diploma In Statistics {2021 Pattern}	Any Graduate Degree or Equivalent Pass	All years Marksheets/ Degree certificate

SN	Prog Code and Name	Eligibility for Admission	Documents Required					
3	UGVo1: B.Sc. (Honours) (Physics) {2025 Pattern}	12th / (10+2)th / Level 4.0 examination conducted by Maharashtra State Board of Secondary and Higher Secondary Education/CBSE/ ISC/NIOS or equivalent examinations by any Other State or any other recognized Board with science subjects pass, including English and Physics OR (10+3) years or (12+2) years Engineering Diploma Pass, from Maharashtra State Technical Board / a statutory or recognized board/ university in India OR Higher Secondary School Certificate (10+2) Examination with English and any of the following +2 Level HSC Vocational (MCVC) Group pass: <table><tr><td>Medical Laboratory Technician (OA, OB, OC)</td></tr><tr><td>Ophthalmic Technician (RA, RB, RC)</td></tr><tr><td>Radiology Technician(PA, PB, PC)</td></tr><tr><td>Electronics Technology(EA, EB, EC)</td></tr><tr><td>Electrical Technology (FA, FB, FC)</td></tr></table>	Medical Laboratory Technician (OA, OB, OC)	Ophthalmic Technician (RA, RB, RC)	Radiology Technician(PA, PB, PC)	Electronics Technology(EA, EB, EC)	Electrical Technology (FA, FB, FC)	12th Science (with Physics) Marksheet or Engg. Diploma Marksheets of all years/ Diploma Certificate or HSC with English and + 2 Level HSC Vocational (MCVC) Group Marksheet
Medical Laboratory Technician (OA, OB, OC)								
Ophthalmic Technician (RA, RB, RC)								
Radiology Technician(PA, PB, PC)								
Electronics Technology(EA, EB, EC)								
Electrical Technology (FA, FB, FC)								
4	UGVo2: B.Sc. (Honours) (Chemistry) {2025 Pattern}	12th / (10+2)th / Level 4.0 examination conducted by Maharashtra State Board of Secondary and Higher Secondary Education/CBSE/ ISC/NIOS or equivalent examinations by any Other State or any other recognized Board with Science Subjects Pass, including English and Chemistry OR (10+3) years or (12+2) years Engineering Diploma Pass, from Maharashtra State Technical Board / a statutory or recognized board/ university in India OR Higher Secondary School Certificate (10+2) Examination with English and the following +2 Level HSC Vocational (MCVC) Group Pass: Medical Laboratory Technician (OA, OB, OC) Pass	12th Science (with Chemistry) Marksheet or Engg. Diploma Marksheets of all years/ Diploma Certificate or HSC with English and + 2 Level HSC Vocational (MCVC) Group Marksheet					

SN	Prog Code and Name	Eligibility for Admission	Documents Required				
5	UGVo3: B.Sc. (Honours) (Mathematics) {2025 Pattern}	12th / (10+2)th / Level 4.0 examination conducted by Maharashtra State Board of Secondary and Higher Secondary Education/CBSE/ ISC/NIOS or equivalent examinations by any Other State or any other recognized Board with Science Subjects Pass, including English and Mathematics OR (10+3) years or (12+2) years Engineering Diploma Pass, from Maharashtra State Technical Board / a statutory or recognized board/ university in India	12 th Science (with Maths) Marksheet or Engg. Diploma Marksheets of all years/ Diploma Certificate				
6	UGVo4: B.Sc. (Honours) (Botany) {2025 Pattern}	12th / (10+2)th / Level 4.0 examination conducted by Maharashtra State Board of Secondary and Higher Secondary Education/CBSE/ ISC/NIOS or equivalent examinations by any Other State or any other recognized Board with Science Subjects Pass, including English and Biology/ (Physics, Chemistry & Optional Course) OR Higher Secondary School Certificate (10+2) Examination with English and any of the following + 2 Level HSC Vocational (MCVC) Group Pass: <table><tr><td>Horticulture (KA, KB, KC)</td></tr><tr><td>Crop Science (LA, LB, LC)</td></tr><tr><td>Catering and Food Products Technology (SA, SB, SC)</td></tr><tr><td>Child, Old Age and Health care services (QA, OB, OC)</td></tr></table>	Horticulture (KA, KB, KC)	Crop Science (LA, LB, LC)	Catering and Food Products Technology (SA, SB, SC)	Child, Old Age and Health care services (QA, OB, OC)	12 th Science (with Biology / Optional Course) Marksheet or HSC with English and + 2 Level HSC Vocational (MCVC) Group Marksheet
Horticulture (KA, KB, KC)							
Crop Science (LA, LB, LC)							
Catering and Food Products Technology (SA, SB, SC)							
Child, Old Age and Health care services (QA, OB, OC)							

SN	Prog Code and Name	Eligibility for Admission	Documents Required						
7	UGVo5: B.Sc. (Honours) (Zoology) {2025 Pattern}	12th / (10+2)th / Level 4.0 examination conducted by Maharashtra State Board of Secondary and Higher Secondary Education/CBSE/ ISC/NIOS or equivalent examinations by any Other State or any other recognized Board with Science Subjects Pass, including English and Biology / (Physics, Chemistry & Optional Course) OR Higher Secondary School Certificate (10+2) Examination with English and any of the following +2 Level HSC Vocational (MCVC) Group Pass: <table><tr><td>Animal Husbandry and Dairy Technology (MA, MB, MC)</td></tr><tr><td>Fisheries Technology (NA, NB, NC)</td></tr><tr><td>Catering and Food Products Technology (SA, SB, SC)</td></tr><tr><td>Child, Old Age and Health care services (QA, QB, QC)</td></tr><tr><td>Medical Laboratory Technician (OA, OB, OC)</td></tr></table>	Animal Husbandry and Dairy Technology (MA, MB, MC)	Fisheries Technology (NA, NB, NC)	Catering and Food Products Technology (SA, SB, SC)	Child, Old Age and Health care services (QA, QB, QC)	Medical Laboratory Technician (OA, OB, OC)	12 th Science (with Biology/ Optional Course) Marksheet or HSC with English and + 2 Level HSC Vocational (MCVC) Group	
Animal Husbandry and Dairy Technology (MA, MB, MC)									
Fisheries Technology (NA, NB, NC)									
Catering and Food Products Technology (SA, SB, SC)									
Child, Old Age and Health care services (QA, QB, QC)									
Medical Laboratory Technician (OA, OB, OC)									
8	UGVo6: B.Sc. (Honours) (Environmental Science) {2025 Pattern}	12th / (10+2)th / Level 4.0 examination conducted by Maharashtra State Board of Secondary and Higher Secondary Education/CBSE/ ISC/NIOS or equivalent examinations by any Other State or any other recognized Board with Science Subjects Pass OR (10+3) years or (12+2) years Engineering Diploma Pass, from Maharashtra State Technical Board / a statutory or recognized board/ university in India OR Higher Secondary School Certificate (10+2) Examination with English and any of the following + 2 Level HSC Vocational (MCVC) Group Pass: <table><tr><td>Horticulture (KA, KB, KC)</td></tr><tr><td>Crop Science (LA, LB, LC)</td></tr><tr><td>Animal Husbandry and Dairy Technology (MA, MB, MC)</td></tr><tr><td>Fisheries Technology (NA, NB, NC)</td></tr><tr><td>Catering and Food Products Technology (SA, SB, SC)</td></tr><tr><td>Child, Old Age and Health care services (QA, QB, QC)</td></tr></table>	Horticulture (KA, KB, KC)	Crop Science (LA, LB, LC)	Animal Husbandry and Dairy Technology (MA, MB, MC)	Fisheries Technology (NA, NB, NC)	Catering and Food Products Technology (SA, SB, SC)	Child, Old Age and Health care services (QA, QB, QC)	12 th Science Marksheet or Engg. Diploma Marksheetworks of all years/ Diploma Certificate or HSC with English and + 2 Level HSC Vocational (MCVC) Group Marksheet
Horticulture (KA, KB, KC)									
Crop Science (LA, LB, LC)									
Animal Husbandry and Dairy Technology (MA, MB, MC)									
Fisheries Technology (NA, NB, NC)									
Catering and Food Products Technology (SA, SB, SC)									
Child, Old Age and Health care services (QA, QB, QC)									
Note: For More details about Eligibility for Admission to UGV01 to UGV06 programmes refer Entry level qualification to 4 Year B. Sc. (Honours) programmes given below									

SN	Prog Code and Name	Eligibility for Admission	Documents Required
9	V151: M.Sc. (Mathematics) {2023 Pattern}	Any B.Sc. with Maths upto Second year/ B.A. with Maths/ B.E./B.Tech. Degree or Equivalent pass	All years Marksheets / Degree certificate
10	V152: M.Sc. (Environmental Science) {2023 Pattern}	B.Sc./B.Sc. (Agri)/B.E. /B.Tech. /B. Pharm Degree or Equivalent pass	All years Marksheets / Degree certificate
11	V153: M.Sc. (Physics) {2023 Pattern}	Any B.Sc. with Physics at FY and SY/ B.Sc. (Electronics) /B.E./B. Tech. Degree or Equivalent pass	All years Marksheets / Degree certificate
12	V154: M.Sc. (Chemistry) {2023 Pattern}	Any B.Sc. with Chemistry at FY and SY or Equivalent pass	All years Marksheets / Degree certificate
13	V155: M.Sc. (Zoology) {2023 Pattern}	Any B.Sc. with Zoology at FY and SY/ B.Sc. (Agri) Degree or Equivalent pass	All years Marksheets / Degree certificate
14	V156: M.Sc. (Botany) {2023 Pattern}	Any B.Sc. with Botany at FY and SY/ B.Sc. (Agri) Degree or Equivalent pass	All years Marksheets / Degree certificate
15	V157: M.Sc. (Mathematics with Computer Applications) {2025 Pattern}	Any B.Sc. with Maths upto Second year/ B.A. with Maths/ B.E./B.Tech. Degree or Equivalent pass	All years Marksheets / Degree certificate

Entry level qualification to 4 Year B. Sc. (Honours) Programmes

SN	Academic Qualifications required for Eligibility		
A)	A candidate who has passed Standard 12 th / (10+2) th / Level 4.0 examination conducted by Maharashtra State Board of Secondary and Higher Secondary Education/CBSE/ ISC/NIOS or equivalent examinations by any Other State or any other recognized Board with science subjects shall be eligible for admission to First Semester B. Sc. Programmes as per NEP 2020:		
	Groups of Science subjects/courses from		Eligible for Any One Major in Science Discipline
1.	1. English 2. Physics, Chemistry, Mathematics, Biology		Any One Major from: Physics, Chemistry, Mathematics, Botany, Zoology, Environmental Science
2.	1. English 2. Physics, Chemistry, Mathematics		Any One Major from: Physics, Chemistry, Mathematics, Environmental Science
3.	1. English 2. Physics, Chemistry, Biology		Any One Major from: Physics, Chemistry, Botany, Zoology, Environmental Science
4.	1. English 2. Vocational Course of 200 Marks 3. Physics, Chemistry, Mathematics		Any One Major from: Physics, Chemistry, Mathematics, Environmental Science
5.	1. English 2. Vocational Course of 200 Marks 3. Physics, Chemistry, Biology		Any One Major from: Physics, Chemistry, Botany, Zoology, Environmental Science
6.	1. English 2. Physics, Chemistry	3. Any one of the following Optional Course of 100 Marks: Geography, Geology, Food Science and Technology, Agriculture Science and Technology, Animal Science and Technology, Defence Studies	Any One Major from: Physics, Chemistry, Environmental Science

SN	Academic Qualifications required for Eligibility		
		3. Any one of the following Optional Course of 100 Marks: Food Science and Technology, Agriculture Science	Major: Botany
		3. Optional Course of 100 Marks: Animal Science and Technology	Major: Zoology
OR			
B)	A candidate who has passed (10+3) years or (12+2) years Diploma from Maharashtra State Technical Board / a statutory or recognized board/ university in India		
	Description		Eligible for Any One Major in Science Discipline
1.	(10+3) years / (12+2) years Engineering Diploma		Any One Major from: Physics, Chemistry, Mathematics, Environmental Science
OR			
C)	A candidate who has passed Higher Secondary School Certificate (10+2) Examination with English and any of the following +2 Level HSC Vocational (MCVC) Group		
	HSC Vocational (MCVC) Group		Eligible for Any One Major in Science Discipline
1.	Agriculture Group or Fisheries Group	Horticulture (KA, KB, KC)	Any One Major from: Botany, Environmental Science
		Crop Science (LA, LB, LC)	
		Animal Husbandry and Dairy Technology (MA, MB, MC)	Any One Major from: Zoology, Environmental Science
		Fisheries Technology (NA, NB, NC)	
2.	Catering and Food Products Technology	Catering and Food Products Technology (SA, SB, SC)	Any One Major from: Botany, Zoology, Environmental Science
3.	Paramedical Group	Child, Old Age and Health care services (QA, QB, QC)	Any One Major from: Botany, Zoology, Environmental Science
		Medical Laboratory Technician (OA, OB, OC)	Any One Major from: Physics, Chemistry, Zoology
		Ophthalmic Technician (RA, RB, RC)	Major: Physics
		Radiology Technician (PA, PB, PC)	
4.	Technology Group	Electronics Technology (EA, EB, EC)	Major: Physics
		Electrical Technology (FA, FB, FC)	

COURSE EXEMPTION AND CREDIT TRANSFER
ELIGIBILITY DOCUMENTS REQUIRED FOR ADMISSION

SN	Prog Code and Name	Eligibility for Admission	Documents Required
Credit Transfer for the Courses of the PG Programme			
V135: Diploma in Environmental Science and V136: M.Sc. (Environmental Science)			
1	Credit Transfer in the Course EVSo21 of V135: Diploma in Environmental Science {2021 Pattern}	Students who have successfully completed MOOC offered in Swayam platform on Environmental Sustainability	Completion certificate of MOOC on ' Environmental Sustainability ' offered in Swayam platform
2	Credit Transfer in the Course EVSo21 of V136: M.Sc. Environmental Science{2021 Pattern}	Students who have successfully completed MOOC offered in Swayam platform on Environmental Sustainability	Completion certificate of MOOC on ' Environmental Sustainability ' offered in Swayam platform
3	Credit Transfer in the Course EVSo41 of V136: M.Sc. Environmental Science{2021 Pattern}	Students who have successfully completed MOOC offered in Swayam platform on Sustainable Management of Biodiversity	Completion certificate of MOOC on ' Sustainable Management of Biodiversity ' offered in Swayam platform
V152: M.Sc. (Environmental Science){2023 Pattern}			
4	Credit Transfer in the Course EVS515 of V152: M.Sc. Environmental Science {2023 Pattern}	Students who have successfully completed MOOC offered in Swayam platform on Environmental Sustainability	Completion certificate of MOOC on ' Environmental Sustainability ' offered in Swayam platform
5	Credit Transfer in the Course EVS606 of V152: M.Sc. Environmental Science{2023 Pattern}	Students who have successfully completed MOOC offered in Swayam platform on Sustainable Management of Biodiversity	Completion certificate of MOOC on ' Sustainable Management of Biodiversity ' offered in Swayam platform

PROGRAMME ELIGIBILITY AND FEES

SKILL PROGRAMMES

Programme	Essential Information	Fees in ₹	Admission: Annual admission in each year	Examination	
Diploma (01 Programme)					
T101: Diploma in Essential Skills (DES) {Learn & Earn 2019 Pattern} Sem:2 Credits: 48 Courses: 10 VRP: 02 Yrs	CBCS: NA Grading: Yes C: General Skill L: Diploma P: Semester MDP: 1 year after SSC Apvl: NA	For Programme		CE: Min 35% RS: Sem 01 & 02 MA: CA: Only 01 Attempt during each semester EE: Single EE attempt during each semester till last end exam, if specified	
		Desc	Amount		
		MF	646		
		Tuition Fee	USF		1050
			LSCF		Nil
		EEF	2040		
		AAFA	3736		
		*₹ 450 to be paid separately for Certificate			

SCIENCE PROGRAMMES

Programme	Essential Information	Fees in ₹	Admission: Annual Admission in each year	Examination		
Diploma (01 Programmes)						
V137: Diploma In Statistics {2021 Pattern} Sem:2 Credits: 32 Courses: 08 VRP: 02 Yrs	CBCS: NA Grading: Yes C: General L: Diploma P: Semester MDP: 1 year after UG Apvl: NA	For Programme		Fresh Admission: Yes AE: Any Degree/ Under-Graduate Pass from recognized University. Further Admission: NA	CE: Min 40% RS: Sem 01 & 02 MA: CA: Only 01 Attempts during each semester EE: Single EE attempt during each semester till last end exam, if specified	
		Desc	Amount			
		MF	646			
		Tuition Fee	USF			1150
			LSCF			2000
		EEF	1640			
		AAFA	5436			
*₹ 450 to be paid separately for Certificate						
Under-Graduate Degree (06 Programme) (NEP2020)						
UGV01: B.Sc. (Honours) (Physics) {2025 Pattern} Sem: 8 Credits: 176 Courses: 67 VRP: 07 Yrs	NEP2020 : Yes Grading: Yes C: General L: UG P: Semester MDP: 4 years after HSC Apvl: UGC	For each Year		Fresh Admission: Yes AE: 10+2 (12th) Science Pass (with Physics) or passed in (10+3) or (12+2) Years Engg Diploma approved by Univ/ Board or passed in HSC with Eng and + 2 level HSC Vocational (MCVC) Group Further Admission: NO AE: NA	CE: Min 40% RS: Sem 01 to 08 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified	
		Desc	AAFA Amount			
		1 st yr	9696			
		2 nd yr	9706*			
		3 rd yr	9586			
		*4 th yr	23616			
		MF	Tuition Fee		EEF	AAFA
			USF	LSCF		
	1 st yr	676	2100	4000	2920	9696
	2 nd yr	566	2100	4000	2920	9586
			+100		+20	9706*
	3 rd yr	566	2100	4000	2920	9586
4 th yr	1136	8000	12000	2480	23616	
(May be updated as per University Policy decision)						
*Includes Cyber Security Course Fee						

Programme	Essential Information	Fees in ₹		Admission: Annual Admission in each year		Examination	
UGVo2: B.Sc. (Honours) (Chemistry) {2025 Pattern} Sem: 8 Credits: 176 Courses: 67 VRP: 07 Yrs	NEP2020 : Yes Grading: Yes C: General L: UG P: Semester MDP: 4 years after HSC Apvl: UGC	For each Year		Fresh Admission: Yes AE: 10+2 (12th) Science Pass (with Chemistry) or passed in (10+3) or (12+2) Years Engg Diploma approved by Univ/ Board or passed in HSC with Eng and + 2 level HSC Vocational (MCVC) Group Further Admission: NO AE: NA		CE: Min 40% RS: Sem 01 to 08 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified	
		Desc	AAFA Amount				
		1 st yr	9696				
		2 nd yr	9706*				
		3 rd yr	9586				
		*4 th yr	23616				
					MF	Tuition Fee	
				USF	LSCF		
		1 st yr	676	2100	4000	2920	9696
		2 nd yr	566	2100	4000	2920	9586
				+100		+20	9706*
		3 rd yr	566	2100	4000	2920	9586
		4 th yr	1136	8000	12000	2480	23616
(May be updated as per University Policy decision) *Includes Cyber Security Course Fee							
UGVo3: B.Sc. (Honours) (Mathematics) {2025 Pattern} Sem: 8 Credits: 176 Courses: 67 VRP: 07 Yrs	NEP2020 : Yes Grading: Yes C: General L: UG P: Semester MDP: 4 years after HSC Apvl: UGC	For each Year		Fresh Admission: Yes AE: 10+2 (12th) Science Pass (with Mathematics) or passed in (10+3) or (12+2) Years Engg. Diploma approved by Univ/ Board Further Admission: NO AE: NA		CE: Min 40% RS: Sem 01 to 08 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified	
		Desc	AAFA Amount				
		1 st yr	9696				
		2 nd yr	9706*				
		3 rd yr	9586				
		*4 th yr	23616				
					MF	Tuition Fee	
				USF	LSCF		
		1 st yr	676	2100	4000	2920	9696
		2 nd yr	566	2100	4000	2920	9586
				+100		+20	9706*
		3 rd yr	566	2100	4000	2920	9586
		4 th yr	1136	8000	12000	2480	23616
(May be updated as per University Policy decision) *Includes Cyber Security Course Fee							
UGVo4: B.Sc. (Honours) (Botany) {2025 Pattern} Sem: 8 Credits: 176 Courses: 67 VRP: 07 Yrs	NEP2020 : Yes Grading: Yes C: General L: UG P: Semester MDP: 4 years after HSC Apvl: UGC	For each Year		Fresh Admission: Yes AE: 10+2 (12th) Science Pass (with Biology) or passed in HSC with Eng and + 2 level HSC Vocational (MCVC) Group Further Admission: NO AE: NA		CE: Min 40% RS: Sem 01 to 08 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified	
		Desc	AAFA Amount				
		1 st yr	9696				
		2 nd yr	9706*				
		3 rd yr	9586				
		*4 th yr	23616				
					MF	Tuition Fee	
				USF	LSCF		
		1 st yr	676	2100	4000	2920	9696
		2 nd yr	566	2100	4000	2920	9586
				+100		+20	9706*
		3 rd yr	566	2100	4000	2920	9586
		4 th yr	1136	8000	12000	2480	23616
(May be updated as per University Policy decision) *Includes Cyber Security Course Fee							

Programme	Essential Information	Fees in ₹			Admission: Annual Admission in each year	Examination			
			MF	Tuition Fee		EEF	AAFA		
				USF	LSCF				
		1 st yr	676	2100	4000	2920	9696		
		2 nd yr	566	2100	4000	2920	9586		
				+100		+20	9706*		
		3 rd yr	566	2100	4000	2920	9586		
		4 th yr	1136	8000	12000	2480	23616		
		(May be updated as per University Policy decision)							
		*Includes Cyber Security Course Fee							
		UGV05: B.Sc. (Honours) (Zoology) {2025 Pattern} Sem: 8 Credits: 176 Courses: 67 VRP: 07 Yrs	NEP2020 : Yes Grading: Yes C: General L: UG P: Semester MDP: 4 years after HSC Apvl: UGC	For each Year		Fresh Admission: Yes AE: 10+2 (12th) Science Pass (with Biology) or passed in HSC with Eng and + 2 level HSC Vocational (MCVC) Group Further Admission: NO AE: NA	CE: Min 40% RS: Sem 01 to 08 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified		
Desc	AAFA Amount								
1 st yr	9696								
2 nd yr	9706*								
3 rd yr	9586								
*4 th yr	23616								
	MF			Tuition Fee				EEF	AAFA
				USF	LSCF				
1 st yr	676			2100	4000			2920	9696
2 nd yr	566			2100	4000			2920	9586
		+100		+20	9706*				
3 rd yr	566	2100	4000	2920	9586				
4 th yr	1136	8000	12000	2480	23616				
(May be updated as per University Policy decision)									
*Includes Cyber Security Course Fee									
UGV06: B.Sc. (Honours) (Environmental Science) {2025 Pattern} Sem: 8 Credits: 176 Courses: 67 VRP: 07 Yrs	NEP2020 : Yes Grading: Yes C: General L: UG P: Semester MDP: 4 years after HSC Apvl: UGC	For each Year		Fresh Admission: Yes AE: 10+2 (12th) Science Pass or passed in (10+3) or (12+2) Years Engg Diploma approved by Univ/ Board or passed in HSC with Eng and + 2 level HSC Vocational (MCVC) Group Further Admission: Yes AE: Already Enrolled for UGV06	CE: Min 40% RS: Sem 01 to 08 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified				
		Desc	AAFA Amount						
		1 st yr	9696						
		2 nd yr	9706*						
		3 rd yr	9586						
		*4 th yr	23616						
			MF			Tuition Fee		EEF	AAFA
						USF	LSCF		
		1 st yr	676			2100	4000	2920	9696
		2 nd yr	566			2100	4000	2920	9586
+100				+20	9706*				
3 rd yr	566	2100	4000	2920	9586				
4 th yr	1136	8000	12000	2480	23616				
(May be updated as per University Policy decision)									
*Includes Cyber Security Course Fee									
Post-Graduate Degree (07 Programmes)(NEP2020)									
As per Finance committee Meeting no. 18-2024-25, Dated 22.01.2025 and Board of Management (BoM) resolution no. 198.3.3 and 198.3.5, Dated 27.01.2025 the uniform fees for all PG programmes as per NEP2020, are effective from 1 st July 2025.									

Programme	Essential Information	Fees in ₹	Admission: Annual Admission in each year	Examination																									
V151: M.Sc. (Mathematics) {2023 Pattern} Sem: 4 Credits: 88 Courses: 23 VRP: 04 Yrs	NEP2020 : Yes Grading: Yes C: General L: PG P: Semester MDP: 2 years after UG Apvl: UGC	For each Year [From AY 2025-26 and onwards]		Fresh Admission: Yes AE: Any BSc with Maths upto Second year/ BA with Maths/ BE/ BTech or Degree or Equivalent pass Further Admission: Yes AE: Already enrolled for V151	CE: Min 40% RS: Sem 01 to 04 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified																								
		Desc	AAFA Amount																										
		1st yr	23156																										
		2nd yr	23516*																										
		<table><tr><td></td><td rowspan="2">MF</td><td colspan="2">Tuition Fee</td><td rowspan="2">EEF</td><td rowspan="2">AAFA</td></tr><tr><td></td><td>USF</td><td>LSCF</td></tr><tr><td>1st yr</td><td>676</td><td>8000</td><td>12000</td><td>2480</td><td>23156</td></tr><tr><td rowspan="2">2nd yr</td><td rowspan="2">1026</td><td>8000</td><td>12000</td><td>2370</td><td>23396</td></tr><tr><td>+100</td><td></td><td>+20</td><td>23516*</td></tr></table>		MF	Tuition Fee		EEF	AAFA		USF	LSCF	1st yr	676	8000	12000	2480	23156	2nd yr	1026	8000	12000	2370	23396	+100		+20	23516*		
	MF	Tuition Fee			EEF	AAFA																							
		USF	LSCF																										
1st yr	676	8000	12000	2480	23156																								
2nd yr	1026	8000	12000	2370	23396																								
		+100		+20	23516*																								
*Includes Cyber Security Course Fee																													
V152: M.Sc. (Environmental Science) {2023 Pattern} Sem: 4 Credits: 88 Courses: 23 VRP: 04 Yrs	NEP2020: Yes Grading: Yes C: General L: PG P: Semester MDP: 2 years after UG Apvl: UGC	For each Year [From AY 2025-26 and onwards]		Fresh Admission: Yes AE: B.Sc./B.Sc. (Agri)/B.E./B.Tech./B. Pharm. Degree or Equivalent pass Further Admission: Yes AE: Already enrolled for V152	CE: Min 40% RS: Sem 01 to 04 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified																								
		Desc	AAFA Amount																										
		1st yr	23156																										
		2nd yr	23516*																										
		Note: Credit Transfer fee of Rs 1000/- per course applicable for the courses EVS021/EVS515 and EVS041/ EVS606 [if applied and eligible] {MOOC done on Swayam Platform}																											
		<table><tr><td></td><td rowspan="2">MF</td><td colspan="2">Tuition Fee</td><td rowspan="2">EEF</td><td rowspan="2">AAFA</td></tr><tr><td></td><td>USF</td><td>LSCF</td></tr><tr><td>1st yr</td><td>676</td><td>8000</td><td>12000</td><td>2480</td><td>23156</td></tr><tr><td rowspan="2">2nd yr</td><td rowspan="2">1026</td><td>8000</td><td>12000</td><td>2370</td><td>23396</td></tr><tr><td>+100</td><td></td><td>+20</td><td>23516*</td></tr></table>		MF	Tuition Fee		EEF	AAFA		USF	LSCF	1st yr	676	8000	12000	2480	23156	2nd yr	1026	8000	12000	2370	23396	+100		+20	23516*		
	MF	Tuition Fee			EEF	AAFA																							
		USF	LSCF																										
1st yr	676	8000	12000	2480	23156																								
2nd yr	1026	8000	12000	2370	23396																								
		+100		+20	23516*																								
*Includes Cyber Security Course Fee																													
V153: M.Sc. (Physics) {2023 Pattern} Sem: 4 Credits: 88 Courses: 23 VRP: 04 Yrs	NEP2020: Yes Grading: Yes C: General L: PG P: Semester MDP: 2 years after UG Apvl: UGC	For each Year		Fresh Admission :Yes AE: B.Sc. with Physics at FY and SY/ B.Sc. (Electronics)/ B.E./B. Tech. Degree or Equivalent pass Further Admission: Yes AE: Already enrolled for V153	CE: Min 40% RS: Sem 01 to 04 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified																								
		Desc	AAFA Amount																										
		1st yr	23156																										
		2nd yr	23516*																										
		<table><tr><td></td><td rowspan="2">MF</td><td colspan="2">Tuition Fee</td><td rowspan="2">EEF</td><td rowspan="2">AAFA</td></tr><tr><td></td><td>USF</td><td>LSCF</td></tr><tr><td>1st yr</td><td>676</td><td>8000</td><td>12000</td><td>2480</td><td>23156</td></tr><tr><td rowspan="2">2nd yr</td><td rowspan="2">1026</td><td>8000</td><td>12000</td><td>2370</td><td>23396</td></tr><tr><td>+100</td><td></td><td>+20</td><td>23516*</td></tr></table>		MF	Tuition Fee		EEF	AAFA		USF	LSCF	1st yr	676	8000	12000	2480	23156	2nd yr	1026	8000	12000	2370	23396	+100		+20	23516*		
	MF	Tuition Fee			EEF	AAFA																							
		USF	LSCF																										
1st yr	676	8000	12000	2480	23156																								
2nd yr	1026	8000	12000	2370	23396																								
		+100		+20	23516*																								
*Includes Cyber Security Course Fee																													

Programme	Essential Information	Fees in ₹		Admission: Annual Admission in each year		Examination	
V154: M.Sc. (Chemistry) {2023 Pattern} Sem: 4 Credits: 88 Courses: 23 VRP: 04 Yrs	NEP2020: Yes Grading: Yes C: General L: PG P: Semester MDP: 2 years after UG Apvl: UGC	For each Year		Fresh Admission: Yes AE: B.Sc. with Chemistry at FY and SY or Equivalent pass Further Admission: Yes AE: Already enrolled for V154		CE: Min 40% RS: Sem 01 to 04 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified	
		Desc	AAFA Amount				
		1 st yr	23156				
		2 nd yr	23516*				
*Includes Cyber Security Course Fee							
V155: M.Sc. (Zoology) {2023 Pattern} Sem: 4 Credits: 88 Courses: 23 VRP: 04 Yrs	NEP2020: Yes Grading: Yes C: General L: PG P: Semester MDP: 2 years after UG Apvl: UGC	For each Year		Fresh Admission: Yes AE: B.Sc. with Zoology at FY and SY/ B.Sc. (Agri) Degree or Equivalent pass Further Admission: Yes AE: Already enrolled for V155		CE: Min 40% RS: Sem 01 to 04 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified	
		Desc	AAFA Amount				
		1 st yr	23156				
		2 nd yr	23516*				
*Includes Cyber Security Course Fee							
V156: M.Sc. (Botany) {2023 Pattern} Sem: 4 Credits: 88 Courses: 23 VRP: 04 Yrs	NEP2020: Yes Grading: Yes C: General L: PG P: Semester MDP: 2 years after UG Apvl: UGC	For each Year		Fresh Admission: Yes B.Sc. with Botany at FY and SY/ B.Sc. (Agri) Degree or Equivalent pass Further Admission: Yes AE: Already enrolled for V156		CE: Min 40% RS: Sem 01 to 04 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified	
		Desc	AAFA Amount				
		1 st yr	23156				
		2 nd yr	23516*				
*Includes Cyber Security Course Fee							

Programme	Essential Information	Fees in ₹		Admission: Annual Admission in each year		Examination
V157: M.Sc. (Mathematics with Computer Applications) {2025 Pattern} Sem: 4 Credits: 88 Courses: 23 VRP: 04 Yrs	NEP2020 : Yes Grading: Yes C: General L: PG P: Semester MDP: 2 years after UG Apvl: UGC	For each Year		Fresh Admission: Yes AE: Any BSc with Maths upto Second year/ BA with Maths/ BE/ BTech or Degree or Equivalent pass Further Admission: NO AE: NA	CE: Min 40% RS: Sem 01 to 04 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified	
		Desc	AAFA Amount			
		1 st yr	23156			
		2 nd yr	23516*			
		MF	Tuition Fee		EEF	AAFA
			USF	LSCF		
1 st yr	676	8000	12000	2480	23156	
2 nd yr	1026	8000	12000	2370	23396	
		+100		+20	23516*	
*Includes Cyber Security Course Fee						
Ph.D. Degree (03 Programmes)						
R91: Ph.D. (Chemistry) {2019 Pattern} Credits: 72 Courses: 3 VRP: 05 Yrs	CBCS: No Grading: Yes C: Research L: Doctoral M: Part Time Regular Mode P: Semester MDP: 3 years after M.Sc. Chemistry/ equi. Apvl: UGC	For each Year [From AY 2021-22 and onwards]		AE: Fresh: As per UGC Regulations and University Ordinance Further: NA	CE: Min 55% in each course of Course Work CA: NA EE: EE attempt after course work specified by Exam and University Research Cell (URC)	
		Desc	Amount			
		Tuition Fee	20000			
		*Research Report Submission	USF 14000 EE 4000			
		Tuition Fee for Extension of Registration period	20000			
(Note: *Applicable only for last year)						
R92: Ph.D. (Environmental Science) {2019 Pattern} Credits: 72 Courses: 3 VRP: 05 Yrs	CBCS: No Grading: Yes C: Research L: Doctoral M: Part Time Regular Mode P: Semester MDP: 3 years after M.Sc. Environmental Science/ equi. Apvl: UGC	For each Year [From AY 2021-22 and onwards]		AE: Fresh: As per UGC Regulations and University Ordinance Further: NA	CE: Min 55% in each course of Course Work CA: NA EE: EE attempt after course work specified by Exam and University Research Cell (URC)	
		Desc	Amount			
		Tuition Fee	20000			
		*Research Report Submission	USF 14000 EE 4000			
		Tuition Fee for Extension of Registration period	20000			
(Note: *Applicable only for last year)						
R41: Ph.D. (Geology) {2019 Pattern} Credits: 72 Courses: 3 VRP: 05 Yrs	CBCS: No Grading: Yes C: Research L: Doctoral M: Part Time Regular Mode MDP: 3 years after M.Sc. Geology/ equi. Apvl: UGC	For each Year [From AY 2021-22 and onwards]		AE: Fresh: As per UGC Regulations and University Ordinance Further: NA	CE: Min 55% in each course of Course Work CA: NA EE: EE attempt after course work specified by Exam and University Research Cell (URC)	
		Desc	Amount			
		Tuition Fee	20000			
		*Research Report Submission	USF 14000 EE 4000			
		Tuition Fee for Extension of Registration period	20000			
(Note: *Applicable only for last year)						

PROGRAMME FEE DISTRIBUTION DETAILS:

PART A- MANDATORY FEE

		B.Sc. Programmes and B.Sc.(Honours) Programmes -					For 2 Year Programme (All M.Sc.)		For 1 year Diploma Programme (T101 & V137)
SN	Particulars	1 st yr	2 nd yr	3 rd yr	3 rd yr of (Hons.)	4 th yr of (Hons.)	1 st yr	2 nd yr	1 st yr
1	Registration Fees	200	200	200	200	200	200	200	200
2	Eligibility Fee	100	-	-	-	100	100	-	100
3	Identity Card Fee	10	-	-	-	10	10	-	10
4	Prospectus Fee	50	50	50	50	50	50	50	50
5	# e-Suvidha/ e-Services Fee	118	118	118	118	118	118	118	118
6	Library Fee	10	10	10	10	10	10	10	-
7	Chancellor's Office Events Fees	38	38	38	38	38	38	38	38
8	Sports Fees	50	50	50	50	50	50	50	50
9	DSW Fees	50	50	50	50	50	50	50	50
10	Disaster Management Fees	10	10	10	10	10	10	10	-
11	NSS Fees	10	10	10	10	10	10	10	-
12	Alumni Fees	-	-	10	-	10	-	10	10
13	Sanvad Fees	10	10	10	10	10	10	10	-
14	Graduation/Convocation Fees	-	-	450	-	450	-	450	*450
15	Student Insurance Fees	20	20	20	20	20	20	20	20
	Annual Total Mandatory Fees	676	566	1026	566	1136	676	1026	646

Note: All Fees are in Rupees

* Student has to apply for certificate by paying **Rs 450/-** separately

only for T101 & V137

Finance Committee meeting no. 20-2025-26, Item no. 06, dated 31.5.2025,
e-Suvidha Fee ₹118 instead of ₹70, IC sheet from Nondani, dated 18.6.2026

PART B: FEES: SCHOOL OF SCIENCES FEE STRUCTURE 2026-27

(Note: T- Tuition Fee, A – Mandatory Fee and B2 - End Exam Fee per Year)

SN	Name of Programme	No. of Credits		Duration in years	T Tuition Fee in ₹	A Part Fee in ₹	B2 Part Fee in ₹	Total ₹ (T+A+B2)	USF in ₹	LSCF in ₹
1	V151: M.Sc.(Maths) (1 st yr)	44		1	20000	676	2480	23156	8000	12000
2	V151: M.Sc.(Maths) (2 nd yr)	44		1	20100	1026	2390	23516*	8100	12000
3	V152: M.Sc. (EVS) (1 st yr)	44		1	20000	676	2480	23156	8000	12000
4	V152: M.Sc. (EVS) (2 nd yr)	44		1	20100	1026	2390	23516*	8100	12000
5	V153: M.Sc.(Physics) (1 st yr)	44		1	20000	676	2480	23156	8000	12000
6	V153: M.Sc.(Physics) (2 nd yr)	44		1	20100	1026	2390	23516*	8100	12000
7	V154: M.Sc.(Chemistry) (1 st yr)	44		1	20000	676	2480	23156	8000	12000
8	V154: M.Sc.(Chemistry) (2 nd yr)	44		1	20100	1026	2390	23516*	8100	12000
9	V155: M.Sc. (Zoology) (1 st yr)	44		1	20000	676	2480	23156	8000	12000
10	V155: M.Sc. (Zoology) (2 nd yr)	44		1	20100	1026	2390	23516*	8100	12000
11	V156: M.Sc. (Botany) (1 st yr)	44		1	20000	676	2480	23156	8000	12000
12	V156: M.Sc. (Botany) (2 nd yr)	44		1	20100	1026	2390	23516*	8100	12000
13	V157: M.Sc. (Maths with Computer Applications) (1 st yr)	44		1	20000	676	2480	23156	8000	12000
14	V157: M.Sc. (Maths with Computer Applications) (2 nd yr)	44		1	20100	1026	2390	23516*	8100	12000
15	V137: Diploma in Statistics	32		1	3150	646	1640	5436	1150	2000
16	UGV01: B.Sc. (Honours) (Physics) {2025 Pattern} (1 st yr)	44		1	6100	676	2920	9696	2100	4000
17	UGV02: B.Sc. (Honours) (Chemistry) {2025 Pattern} (1 st yr)	44		1	6100	676	2920	9696	2100	4000
18	UGV03: B.Sc. (Honours) (Mathematics) {2025 Pattern} (1 st yr)	44		1	6100	676	2920	9696	2100	4000
19	UGV04: B.Sc. (Honours) (Botany) {2025 Pattern} (1 st yr)	44		1	6100	676	2920	9696	2100	4000
20	UGV05: B.Sc. (Honours) (Zoology) {2025 Pattern} (1 st yr)	44		1	6100	676	2920	9696	2100	4000
21	UGV06: B.Sc. (Honours) (Environmental Science) {2025 Pattern} (1 st yr)	44		1	6100	676	2920	9696	2100	4000
22	UGV06: B.Sc. (Honours) (Environmental Science) {2025 Pattern} (2 nd yr)	44		1	6200	566	2940	9706*	2200	4000
23	V92: Bachelor of Science(PCM) (2nd yr)	44		1	6200	566	2940	9706*	2200	4000
24	V92: Bachelor of Science(PCM) (3rd yr)	44		1	6100	1026	2920	10046	2100	4000
25	V100: Bachelor of Science(BCZ) (2nd yr)	44		1	6200	566	2940	9706*	2200	4000
26	V100: Bachelor of Science(BCZ) (3rd yr)	44		1	6100	1026	2920	10046	2100	4000
27	T101: Dip. In Essential Skills (L & E)	48		1	1050	646	2040	3736	1050	0

*Includes Cyber Security course Fee

WITHDRAWN PROGRAMMES

For all “Withdrawn Programmes” (Total 10 Programmes):

1. Fresh Admissions **shall not be offered**
2. Further Admissions **shall be offered during specified valid registration period**

STATISTICAL INFORMATION ABOUT WITHDRAWN PROGRAMMES:

Discipline → Level ↓	Science	Total
Certificate	1	1
Diploma	1	1
UG	2	2
PG	6	6
Total	10	10

Note: Refer Schedule of Last Further Admission Time Slot and End Exam Slot for **Withdrawn Programmes mentioned on page 4**

SCIENCE PROGRAMMES

Programme	Essential Information	Fees in ₹	Admission: Annual Admission in each year	Examination																	
Certificate (01 Programme)																					
C149: Certificate Programme in Beekeeping [मधुमश्रिका पालन कौशल्य] (Withdrawn in 2026)	CBCS: NA Grading: Yes C: General Skill L: Certificate P: Semester MDP: 6 Months after 10 th Pass or Fail Apvl: NA MoI: Marathi	For Programme <table><tr><th>Desc</th><th colspan="2">Amount</th></tr><tr><td>MF</td><td colspan="2">440</td></tr><tr><td rowspan="2">Tuition Fee</td><td>USF</td><td>500</td></tr><tr><td>LSCF</td><td>600</td></tr><tr><td>EEF</td><td colspan="2">420</td></tr><tr><td>AAFA</td><td colspan="2">1960</td></tr></table> *₹ 450 to be paid separately for Certificate	Desc	Amount		MF	440		Tuition Fee	USF	500	LSCF	600	EEF	420		AAFA	1960		Fresh Admission: NO AE: 10 th Pass or Fail Further Admission: NO	CE: Min 40% RS: Sem 01 MA: CA: Only 01 Attempts during each semester EE: Single EE attempt during semester till last end exam, if specified
Desc	Amount																				
MF	440																				
Tuition Fee	USF	500																			
	LSCF	600																			
EEF	420																				
AAFA	1960																				
Diploma (01 Programme)																					
V135: Diploma in Environmental Science {2021 Pattern} Sem: 2 Credits: 32 Courses: 08 VRP: 02 Yrs (Withdrawn in 2024)	CBCS: NA Grading: Yes C: General L: Diploma P: Semester MDP: 1 year after UG Apvl: NA	For Programme <table><tr><th>Desc</th><th colspan="2">Amount</th></tr><tr><td>MF</td><td colspan="2">1068</td></tr><tr><td rowspan="2">Tuition Fee</td><td>USF</td><td>6100</td></tr><tr><td>LSCF</td><td>12000</td></tr><tr><td>EEF</td><td colspan="2">1640</td></tr><tr><td>AAFA</td><td colspan="2">20808</td></tr></table>	Desc	Amount		MF	1068		Tuition Fee	USF	6100	LSCF	12000	EEF	1640		AAFA	20808		Fresh Admission: NO Further Admission: NO AE: NA	CE: Min 40% RS: Sem 01 & 02 MA: CA: Only 01 Attempts during each semester EE: Single EE attempt during each semester till last end exam, if specified
Desc	Amount																				
MF	1068																				
Tuition Fee	USF	6100																			
	LSCF	12000																			
EEF	1640																				
AAFA	20808																				
Under-Graduate Degree (02 Programmes)																					
V92: B.Sc. (Phy, Che, Maths) {2015 Pattern} Sem: 6 Credits: 132 Courses: 42 VRP: 06 Yrs (Withdrawn in 2026)	CBCS: Yes Grading: Yes C: General L: UG P: Semester MDP: 3 yrs after HSC Apvl: UGC	For each Year <table><tr><th>Desc</th><th>AAFA Amount</th></tr><tr><td>-</td><td>-</td></tr><tr><td>2nd yr</td><td>9706*</td></tr><tr><td>3rd yr</td><td>10046</td></tr></table>	Desc	AAFA Amount	-	-	2 nd yr	9706*	3 rd yr	10046	Fresh Admission: NO AE: 10+2 (12th) Science Pass (with Mathematics) or passed in (10+3) or (12+2) Years Engg Diploma approved by Univ/ Board or passed in HSC with Eng) or Equivalent passed Further Admission: Yes AE: Already Enrolled for V92	CE: Min 40% RS: Sem 05 to 06 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified									
Desc	AAFA Amount																				
-	-																				
2 nd yr	9706*																				
3 rd yr	10046																				

		<table><tr><td></td><td>MF</td><td colspan="2">Tuition Fee</td><td>EEF</td><td>AAFA</td></tr><tr><td></td><td></td><td>USF</td><td>LSCF</td><td></td><td></td></tr><tr><td>1st yr</td><td>628</td><td>2100</td><td>4000</td><td>2920</td><td>9648</td></tr><tr><td>2nd yr</td><td>566</td><td>2100</td><td>4000</td><td>2920</td><td>9586</td></tr><tr><td></td><td></td><td>+100</td><td></td><td>+20</td><td>9706*</td></tr><tr><td>3rd yr</td><td>1026</td><td>2100</td><td>4000</td><td>2920</td><td>10046</td></tr></table> * Includes Cyber Security course Fee (May be updated as per University Policy decision)		MF	Tuition Fee		EEF	AAFA			USF	LSCF			1 st yr	628	2100	4000	2920	9648	2 nd yr	566	2100	4000	2920	9586			+100		+20	9706*	3 rd yr	1026	2100	4000	2920	10046	
	MF	Tuition Fee		EEF	AAFA																																		
		USF	LSCF																																				
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2 nd yr	566	2100	4000	2920	9586																																		
		+100		+20	9706*																																		
3 rd yr	1026	2100	4000	2920	10046																																		
Direct Admission to Second Year of V92: B.Sc. (Phy, Che, Maths) {2015 Pattern} (Withdrawn in 2026)	-	<table><tr><td colspan="4">For Second Year</td></tr><tr><td>Desc</td><td colspan="3">Amount</td></tr><tr><td>DACECT</td><td colspan="3">2100</td></tr><tr><td>MF</td><td colspan="3">628</td></tr><tr><td>Tuition Fee</td><td>USF</td><td>2100</td><td>+100</td></tr><tr><td></td><td>LSCF</td><td colspan="2">4000</td></tr><tr><td>EEF</td><td colspan="3">2920</td></tr><tr><td></td><td colspan="3">+20</td></tr><tr><td>AAFA</td><td colspan="3">11868*</td></tr></table> * Includes Cyber Security course Fee	For Second Year				Desc	Amount			DACECT	2100			MF	628			Tuition Fee	USF	2100	+100		LSCF	4000		EEF	2920				+20			AAFA	11868*			Stopped from AY2026-27 Direct: NO Fresh: NO AE: B.Sc. first year with Mathematics as one of the subjects pass from any recognized university. CE: Min 40% RS: Sem 05 & 06 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified
For Second Year																																							
Desc	Amount																																						
DACECT	2100																																						
MF	628																																						
Tuition Fee	USF	2100	+100																																				
	LSCF	4000																																					
EEF	2920																																						
	+20																																						
AAFA	11868*																																						
V100: B.Sc. (Bot, Chem, Zoo) {2023 Pattern} Sem: 6 Credits: 132 Courses: 42 VRP: 06 Yrs (Withdrawn in 2026)	CBCS : Yes Grading: Yes C: General L: UG P: Semester MDP: 3 years after HSC Apvl: UGC	<table><tr><td colspan="2">For each Year</td></tr><tr><td>Desc</td><td>AAFA Amount</td></tr><tr><td>--</td><td>-</td></tr><tr><td>2nd yr</td><td>9706*</td></tr><tr><td>3rd yr</td><td>10046</td></tr></table>	For each Year		Desc	AAFA Amount	--	-	2 nd yr	9706*	3 rd yr	10046	Fresh Admission: NO AE: 10+2 (12th) Science Pass (with Biology) or Equivalent passed Further Admission: Yes AE: Already Enrolled for V100 CE: Min 40% RS: Sem 01 to 06 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified																										
For each Year																																							
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	MF	Tuition Fee		EEF	AAFA																																		
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1 st yr	628	2100	4000	2920	9648																																		
2 nd yr	566	2100	4000	2920	9586																																		
		+100		+20	9706*																																		
3 rd yr	1026	2100	4000	2920	10046																																		
Post-Graduate Degree (06 Programmes)																																							
V130: M.Sc. (Mathematics) {2021 Pattern} Sem: 4 Credits: 80 Courses:20 VRP: 04 Yrs (Withdrawn in 2023)	CBCS: No Grading: Yes C: General L: PG P: Semester MDP: 2 years after UG Apvl: UGC	<table><tr><td colspan="2">For each Year</td></tr><tr><td>Desc</td><td>AAFA Amount</td></tr><tr><td>-</td><td>-</td></tr><tr><td>-</td><td>-</td></tr></table>	For each Year		Desc	AAFA Amount	-	-	-	-	Fresh Admission: NO AE: Any BSc with Maths upto Second year/ BA with Maths/ BE/ BTech or Degree or Equivalent pass Further Admission: NO AE: NA CE: Min 40% RS: Sem 03 & 04 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified	<table><tr><td></td><td>MF</td><td colspan="2">Tuition Fee</td><td>EEF</td><td>AAFA</td></tr><tr><td></td><td></td><td>USF</td><td>LSCF</td><td></td><td></td></tr><tr><td>1st yr</td><td>608</td><td>6000</td><td>6000</td><td>2000</td><td>14608</td></tr><tr><td>2nd yr</td><td>978</td><td>6000</td><td>6000</td><td>2000</td><td>14978</td></tr></table>		MF	Tuition Fee		EEF	AAFA			USF	LSCF			1 st yr	608	6000	6000	2000	14608	2 nd yr	978	6000	6000	2000	14978			
For each Year																																							
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	MF	Tuition Fee		EEF	AAFA																																		
		USF	LSCF																																				
1 st yr	608	6000	6000	2000	14608																																		
2 nd yr	978	6000	6000	2000	14978																																		

Programme	Essential Information	Fees in ₹		Admission: Annual Admission in each year	Examination																				
V136: M.Sc. (Environmental Science) {2021 Pattern} Sem: 4 Credits: 64 Courses: 16 VRP: 04 Yrs (Withdrawn in 2023)	CBCS: No Grading: Yes C: General L: PG P: Semester MDP: 2 years after UG Apvl: UGC	For each Year		Fresh Admission: NO AE: B.Sc./B.Sc. (Agri)/B.E. /B.Tech./B. Pharm. Degree or Equivalent pass Further Admission: NO AE: NA	CE: Min 40% RS: Sem 03 & 04 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified																				
		<table><tr><th>Desc</th><th>AAFA Amount</th></tr><tr><td>-</td><td>-</td></tr><tr><td>-</td><td>-</td></tr></table> Note: Credit Transfer fee of Rs 1000/- per course applicable for the courses EVS021 and EVS041 [if applied and/or eligible] {MOOC done on Swayam Platform}	Desc			AAFA Amount	-	-	-	-															
		Desc	AAFA Amount																						
-	-																								
-	-																								
<table><tr><th></th><th>MF</th><th colspan="2">Tuition Fee</th><th>EEF</th><th>AAFA</th></tr><tr><th></th><th></th><th>USF</th><th>LSCF</th><th></th><th></th></tr><tr><td>1st yr</td><td>608</td><td>6100</td><td>12000</td><td>1640</td><td>20348</td></tr><tr><td>2nd yr</td><td>978</td><td>6100</td><td>12000</td><td>1750</td><td>20828</td></tr></table>		MF	Tuition Fee		EEF	AAFA			USF	LSCF			1 st yr	608	6100	12000	1640	20348	2 nd yr	978	6100	12000	1750	20828	
	MF	Tuition Fee		EEF	AAFA																				
		USF	LSCF																						
1 st yr	608	6100	12000	1640	20348																				
2 nd yr	978	6100	12000	1750	20828																				
V141: M.Sc. (Physics) {2022 Pattern} Sem: 4 Credits: 80 Courses: 26 VRP: 04 Yrs (Withdrawn in 2023)	CBCS: Yes Grading: Yes C: General L: PG P: Semester MDP: 2 years after UG Apvl: UGC	For each Year		Fresh Admission: NO AE: B.Sc. (PCM)/ B.Sc. with Physics at FY and SY/ B.Sc. (Electronics)/ B.E./B. Tech. Degree or Equivalent pass Further Admission: NO AE: NA	CE: Min 40% RS: Sem 03 & 04 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified																				
		<table><tr><th>Desc</th><th>AAFA Amount</th></tr><tr><td>-</td><td>-</td></tr><tr><td>-</td><td>-</td></tr></table>	Desc			AAFA Amount	-	-	-	-															
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	MF	Tuition Fee		EEF	AAFA																				
		USF	LSCF																						
1 st yr	608	8000	12000	2480	23088																				
2 nd yr	978	8000	12000	2370	23348																				
V142: M.Sc. (Chemistry) {2022 Pattern} Sem: 4 Credits: 80 Courses: 26 VRP: 04 Yrs (Withdrawn in 2023)	CBCS: Yes Grading: Yes C: General L: PG P: Semester MDP: 2 years after UG Apvl: UGC	For each Year		Fresh Admission: NO AE: B.Sc. (PCM)/ B.Sc. with Chemistry at FY and SY or Equivalent pass Further Admission: NO AE: NA	CE: Min 40% RS: Sem 03 & 04 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified																				
		<table><tr><th>Desc</th><th>AAFA Amount</th></tr><tr><td>-</td><td>-</td></tr><tr><td>-</td><td>-</td></tr></table>	Desc			AAFA Amount	-	-	-	-															
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	MF	Tuition Fee		EEF	AAFA																				
		USF	LSCF																						
1 st yr	608	8000	12000	2480	23088																				
2 nd yr	978	8000	12000	2370	23348																				
V143: M.Sc. (Zoology) {2022 Pattern} Sem: 4 Credits: 80 Courses: 26 VRP: 04 Yrs (Withdrawn in 2023)	CBCS: Yes Grading: Yes C: General L: PG P: Semester MDP: 2 years after UG Apvl: UGC	For each Year		Fresh Admission: NO AE: B.Sc. with Zoology at FY and SY/ B.Sc. (Agri) Degree or Equivalent pass Further Admission: NO AE: NA	CE: Min 40% RS: Sem 03 & 04 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified																				
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	MF	Tuition Fee		EEF	AAFA																				
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LEARN AND EARN SCHEME

The 'Yashwantrao Chavan Maharashtra Open University (YCMOU)' had signed "Agreement" on **03-07-2018** with the organization "**Abhinav Institute of Technology & Management**", registered office at "601, 6th Floor, Paradise Tower, Gokhale Road, Thane (West) – 400 602" to offer skill based academic programmes under '**Learn and Earn**' scheme.

✚ Government of Maharashtra has released **Government Resolution (GR) No. 201803131751197708 dated 13th March 2018** to implement this Learn and Earn Scheme jointly by YCMOU and the recognized LSC/ Study Center of this University.

This organization is duly approved as "YCMOU LSC" to implement this scheme is as follow:

Students enrolled under "Learn and Earn" scheme are placed various industries or business units as an '**Apprentice**' under the 'Apprenticeship Act 1961' to acquire and master various skills in 'real' work environment. But, students under this scheme **are not allowed to place as an 'Apprentice' in hazardous industries**. Presently, **only** following programmes are offered under this scheme:

1. **T101:** Diploma in Essential Skills (**DES**)
2. **T103:** Diploma in Industrial Skills (**DIS**)

The Government of Maharashtra has approved this scheme and the students under the '**Learn and Earn**' scheme have been declared as '**Apprentice**' under the 'Apprenticeship Act 1961', up **to the period of 2 years**.

"**National Skill Qualification Framework (NSQF)**" is the current thrust area for the Maharashtra state as well as Central Government. In line with this state and national mission and framework, this University offer Skill diploma programmes at **Level 3 and 4 of NSQF** in skill education discipline.

STUDENTS BENEFITS

Apart from the essential facilities (**@ pre-informed subsidized rates**) such as canteen, uniform, safety shoes etc. for **each** student, the cost of the education is also paid by the respective industry or business unit. In addition to this, respective industry or business unit also pays the **specified monthly stipend** to **each** student apprentice as per the prevalent provisions of 'Apprenticeship Act 1961'. Presently, monthly stipend offered to **each** student apprentice is as given below:

1. During 1 year duration of "**T101:** Diploma in Essential Skills (**DES**)" programme: **₹8000/- to ₹8500/- approximately** during each month

TEACHING-LEARNING

Above LSC/ Study Center/ organization is required to arrange the following activities:

- **Learning Resource:** Self-Learning-Material (SLM) i.e., Study Material shall be made available by the University in eBook/ electronic format for **free download under EBooks on the University Website at <http://www.ycmou.ac.in/>**, accessible on the web page of School of Sciences and further distribution by the recognized LSC. The LSC may provide this Learning Resource in print form to all enrolled students for learn and earn scheme.
- **Counselling Sessions:** LSC will arrange 12 face-to-face classroom counselling sessions of 1 clock hour duration for **each** Theory Type of Course (Subject) of **4 Credits** at the work place of the students or on weekly off-days at the LSC/ Study Center.
- **Mobile ready lectures:** can be used for teaching-learning. This offers much better consistent quality and unprecedented flexibility of learning from anywhere, anytime. After initial onetime download, Mobile ready lecture modules can be repeated multiple numbers of times without live Internet connection. Hence, LSC may develop 40–60 Mobile ready lecture modules, **each** of 10 ±

02 minutes duration for **each** course (subject) **along with and** monthly face-to-face single lecture of 1 hour duration at **each** industry where students are placed, from 'real' teacher.

- **On Job Training:** Above LSC/ organization is required to arrange "On Job Training" for specified hours, under guidance and supervision of qualified and experienced **Mentor/ Supervisor/ Counsellor** at allotted service unit, industry unit.

EXAMINATION

1. Conduct of "Continuous Assessment (CA)" **and** reporting of CA marks for each student shall be responsibility of the respective LSC for all courses.
2. Conduct of "End Examination (EE)" **and** reporting of EE marks for each student shall be responsibility of the respective LSC for all Activity type of courses like "On Job Training".
3. Conduct of "End Examination (EE)" **and** reporting of EE marks for each student shall be responsibility of the university for **all Theory type of courses**.
4. **Separate and independent passing:** Grade Point 4 (minimum passing percentage) in EE and CA shall be essential for each course at each semester. Hence, student must score following minimum marks for successful completion of each course.
 - a. Minimum 28 marks out of 80 marks in End Exam is essential and
 - b. Minimum 07 marks out of 20 marks in CA is essential and
 - c. Hence 'total of CA+EE' requires minimum **35** marks out of maximum **100** marks for each Theory type of courses
 - d. Minimum **70** marks out of maximum **200** marks for each Term-work/Activity type of courses
5. Only **1 attempt** for EE for each course shall be allowed in each semester.
6. LSC/Study Center may provide maximum 2 attempts for CA, for each course in each semester. But only one best score out of two CA shall be reported to the Exam Division of University in the specified format.
7. "CA, EE and Total marks" shall be separately reported for each course in the transcript or mark-statement at each semester
8. Total student evaluation for
 - a. Each semester shall be for 600 marks.
 - b. Each Diploma shall be for 1200 marks.
9. Only best of past performance shall be reported in transcript or mark statement.
10. **Certification Eligibility (CE)** - After successful completion of all courses at all semester of the academic programme, student is eligible for certification only after aggregate 35% marks in End Examination

A. Continuous Assessment for Theory and Term-Work type of Courses

Continuous Assessment (CA) is Open-Book Formative Evaluation without supervision conducted by the Counsellor for the respective course at each LSC/ Study Center. **Mentor/Counsellor/Supervisor shall prepare question paper for each CA to be conducted.**

CA for each credit point block shall be for 5 marks only. For 4 Credit course CA shall be conducted for 20 Marks.

1. Type of CA: 20 MCQs for 20 Marks **or** 04 SAQs each of 5 Marks for total 20 Marks

2. Number of attempts for **each** CA, during **each** semester: **01**
3. CA has 20% weightage in “Total Marks”
4. Students who do not opt CA or remain absent for CA, zero marks shall be reported in the mark-statement.
5. CA is **not** applicable for **Term-Work type courses**

B. End Examination

Course Type → Evaluation Type ↓	Theory	Term-Work		
End Examination (EE) with following all features: (01) Close-Book, With Supervision (02) At specified Date, Time and Exam Center (03) During May/Jun or Nov/Dec	As per the University Schedule May/Jun or Nov/Dec of each year, “End Examination (EE)” of total 80 Marks and 16 “Short Answer Questions (SAQs)” each of 05 marks (4 out of 5 SAQs on each Credit), During 120 Minutes. End Exam Marks shall have 80% weightage in Total Marks.	At the end of each semester, each Mentor at each industry or business unit and “1 (one) external expert” to be appointed by the LSC/ Study Center will complete “End Exam (EE)” for all allotted students as follows: Internal Mentor/ Supervisor/ Counsellor and External Expert each will have 50% weightage. Time Schedule: Immediately after Theory End Exam during each Semester in May/Jun or Nov/Dec Duration: 180 minutes Total Marks: 200 Marks		
		Parameter	Internal Mentor (out of 100 Marks)	External Expert (out of 100 Marks)
		Punctuality as per thumb attendance record	Out of 20	Out of 20
		Term work submission	Out of 20	Out of 20
		Understanding about the nature of job role at workplace	Out of 20	Out of 20
		Skill Proficiency by Viva on Mini Project	Out of 40	Out of 40

FEE STRUCTURE

“LSC/Study Center Fee (LSCF)” **shall not be payable by the student** for any programme offered under “Learn and Earn” scheme. But, “University Share Fee (USF)”, “Mandatory Fee (MF)” and “End Exam Fee (EEF)” for first compulsory attempt are given below in “Fee Structure” for all academic programmes under “Learn and Earn” scheme. From the academic year 2023-24, the annual new fee structure for Skill Diploma programmes per student per year should be as follows:

Admission		Examination Fee (EF) for Repeater Students
Desc	Amount	Exam Fee is payable to university along with the 'Exam Form', for each repeat end exam attempt
MF	₹ 646 for each Year (Includes Mandatory Fee)	
USF	₹ 1050 for each Year	
EEF	₹2040 for each Year [₹ 200 per Theory and ₹ 220 per TW]	
LSCF	Nil for students (Students need not have to pay LSC/ Study Center Share to the Institute)	
*Certificate fee	₹ 450 (to be paid separately)	

JOB OPPORTUNITIES FOR STUDENTS

1. After successful completion of these academic programmes, depending on satisfactory performance of the student during the apprenticeship period, industries may prefer to continue these students on regular post. However, placement on regular posts after successful completion of these academic programmes is **not guaranteed**.
2. The University does not ensure placement/ employability to those students passed these Learn & Earn Diplomas. On the basis of the skills earned during Diploma, Students have to apply for the various available job opportunities.

DIRECT ADMISSION COURSE EXEMPTION POLICIES AND RULES

DACECT: OBJECTIVES

- Recognition of successful completion of other courses from other statutory **university or Board** or MOOC Courses from SWAYAM Platform of Government of India and granting
 - Course Exemptions (CE), if syllabus is similar, but evaluation pattern is different
 - Credit Transfer (CT), if syllabus and evaluation, both are similar
- At the time of first fresh online admission, student has to apply for Direct Admission, Course Exemption and Credit Transfer.
- Direct Admission, Course Exemption and Credit Transfer **shall be given** during fresh admission only.
- Direct Admission, Course Exemption and Credit Transfer **shall not be given** during further admissions.
- No change in DACECT status after first fresh admission to ensure simplicity and promoting better learning

DACECT: POLICIES AND RULES

1. **Apply Only Once at the time of Fresh online Admission:** Students are allowed to apply for DACECT **only once** at the time of fresh online admission. DACECT status of any student, shall not be modified or changed for what so ever reasons, after his / her fresh admission.
2. **No Automatic Processing:** Direct Admission, Course Exemption and Credit Transfer shall be given only when student apply for it, along with attested photocopies of specified documents. Without such application, automatic processing of "DACECT" shall not be done.
3. **Successful completion of full Academic Year is Essential:** Student performance at only those academic years (or all the semesters / trimesters which constitute the full academic year), which are successfully completed by the student, will be considered while processing of DACECT.

Student performance at partially completed academic years (or all the semesters / trimesters which constitute the full academic year) will not be considered while processing of DACECT.

4. **No Course Exemptions without Direct Admission:** Normally, course exemptions shall be given only along with the direct admission. Thus, normally course exemptions shall not be given for what so ever reasons, if student is not eligible for direct admission.
5. **No 'Course Exemptions' and 'Credit Transfers' at Final Reporting Year:** Irrespective of any higher qualification(s), course exemptions or credit transfers shall not be given for any course at final reporting academic year (or at any semester, which constitute final academic year).
6. **No 'Direct Admission' beyond the First Semester of the Final Reporting Year:** Irrespective of any higher qualification(s), direct admission shall not be given beyond the first semester of the final reporting academic year (or at any semester, which constitute final academic year).

DACECT DETAILS

For DACECT following abbreviations are used in the table:

- **Qual Code (QC):** Qualification Code
- **DA:** Direct Admission
- **CE:** Course Exemption
- **CT:** Credit Transfer
- **Sem:** Semester
- **MOOC:** Massive Open Online Course
- **NA:** Not Applicable

ABOUT MOOC

- SWAYAM is a programme initiated by Government of India and designed to achieve three cardinal principles of Education Policy viz., access, equity and quality. The objective of this effort is to take the best teaching learning resources to all, including the most disadvantaged. SWAYAM seeks to bridge the digital divide for students who have hitherto remained untouched by the digital revolution and have not been able to join the mainstream of knowledge economy.
- Thousands of courses are available on the SWAYAM Platform to enrich the learning experience by using audio-video and multi-media and state of the art pedagogy / technology.
- UGC has already issued the UGC (Credit Framework for online learning courses through SWAYAM) Regulation 2016 advising the Universities to identify courses where credits can be transferred on to the academic record of the students for courses done on SWAYAM. AICTE has also put out gazette notification in 2016 and subsequently for adoption of these courses for credit transfer.
- MOOC stands for Massive Open Online Course. MOOCs have become a popular and proven way to obtain education online that is accessible, affordable, and self-paced. MOOC is nothing but online courses offered by SWAYAM Platform.
- In line with the above directions, this School used syllabus of the MOOCs offered in Swayam Platform for the following two courses of Diploma and M.Sc. in Environmental Science programmes.
 1. EVSo21/EVS515: Environmental Sustainability (MOOC)
 2. EVSo41/EVS606: Sustainable Management of Biodiversity (MOOC)

- These Courses are offered on Swayam Platform. Those who will complete these courses on Swayam Platform, for them Credit Transfer will be given in the corresponding courses EVSo21 and EVSo41 offered in V136: MSc (EVS) and V135: Diploma in EVS programme. And the corresponding courses EVS515 and EVS606 offered in V152: MSc (Environmental Science) programme.

DACECT FOR SCIENCE PROGRAMMES

Important Information: If student comply with any one or more qualification code(s) as given in 'Column 01' and its respective description in 'Column 02' of the following table, then student should apply for the 'Direct Admission, Course Exemption and Credit Transfer (DACECT)' at the time of fresh online admission:

Qual Code (QC)	Description		Approved for		
		DA to	CE for	CT for	
Credit Transfer for V136: M.Sc. (Environmental Science) and V135: Diploma in Environmental Science					
V135 EVSo21	Students who have successfully completed MOOC offered in Swayam platform on Environmental Sustainability	-	-	-	EVS021: Environmental Sustainability of V135
V136 EVSo21	Students who have successfully completed MOOC offered in Swayam platform on Environmental Sustainability	-	-	-	EVS021: Environmental Sustainability of V136
V136 EVSo41	Students who have successfully completed MOOC offered in Swayam platform on Sustainable Management of Biodiversity	-	-	-	EVS041: Sustainable Management of Biodiversity of V136
Credit Transfer for V152: M.Sc. (Environmental Science)					
V152 EVS515	Students who have successfully completed MOOC offered in Swayam platform on Environmental Sustainability	-	-	-	EVS515: Environmental Sustainability of V152
V152 EVS606	Students who have successfully completed MOOC offered in Swayam platform on Sustainable Management of Biodiversity	-	-	-	EVS606: Sustainable Management of Biodiversity of V152

ABOUT COURSES

PROGRAMMES ON OFFER

SKILL PROGRAMMES

T101: DIPLOMA IN ESSENTIAL SKILLS {LEARN & EARN 2019 PATTERN}

SN	Code	Name	CA	EE	TM	Type	Credits	Min %
Semester 01: 16 + 08 = 24 Credits								
01	DESO11	Communication and Soft Skills – 01	20	80	100	T	4	35%
02	DESO12	Math & Statistical Skills – 01	20	80	100	T	4	35%
03	DESO13	Financial Accounting Skills – 01	20	80	100	T	4	35%
04	DESO14	IT Skills – 01	20	80	100	T	4	35%
05	DESO15	On-Job-Training – 01	NA	200	200	TW	8	35%
Semester 02: 16 + 08 = 24 Credits								
06	DESO21	Communication and Soft Skills – 02	20	80	100	T	4	35%
07	DESO22	Math & Statistical Skills – 02	20	80	100	T	4	35%
08	DESO23	Financial Accounting Skills - 02	20	80	100	T	4	35%
09	DESO24	IT Skills – 02	20	80	100	T	4	35%
10	DESO25	On-Job-Training - 02	NA	200	200	TW	8	35%

SCIENCE PROGRAMMES [BEFORE 2023 PATTERN]

V137: DIPLOMA IN STATISTICS {2021 PATTERN}

SN	Code	Name	CA	EE	TM	Type	Credits	Min %
Semester 01: 16 Credits								
01	DSS011	Basic Mathematics 1	20	80	100	T	4	40%
02	DSS012	Basic Mathematics 2	20	80	100	T	4	40%
03	DSS013	Fundamentals of Statistics	20	80	100	T	4	40%
04	DSS014	Excel Application in Statistics	NA	100	100	TW	4	40%
Semester 02: 16 Credits								
05	DSS021	Inferential Statistics	20	80	100	T	4	40%
06	DSS022	Sampling Theory and Regression	20	80	100	T	4	40%
07	DSS023	Design of Experiment	20	80	100	T	4	40%
08	DSS024	R Programming for Statistics	NA	100	100	TW	4	40%

R91: PH.D. (CHEMISTRY) {2019 PATTERN}

SN	Code	Name	CAT	EE	TM	Type	Credits	Min %
Course Work: 12 Credits								
01	RES101	Research Methodology	50	50	100	T	4	55%
02	RES135	Applications of Analytical Techniques in Chemistry	50	50	100	T	4	55%
03	RES136 OR	Organic Chemistry	50	50	100	T	4	55%
04	RES137 OR	Inorganic Chemistry	50	50	100	T	4	55%

SN	Code	Name	CAT	EE	TM	Type	Credits	Min %
05	RES138 OR	Physical Chemistry	50	50	100	T	4	55%
06	RES139	Analytical Chemistry	50	50	100	T	4	55%
Research Work								
		Research Work	Presentations and Viva-Voce				60	Award

R92: PH.D. (ENVIRONMENTAL SCIENCE) {2019 PATTERN}

SN	Code	Name	CAT	EE	TM	Type	Credits	Min %
Course Work: 12 Credits								
01	RES101	Research Methodology	50	50	100	T	4	55%
02	RES142	Advances in Environmental Science	50	50	100	T	4	55%
03	RES143	Issues in Environmental Sciences	50	50	100	T	4	55%
Research Work								
		Research Work	Presentations and Viva-Voce				60	Award

R41: PH.D. (GEOLOGY) {2019 PATTERN}

SN	Code	Name	CAT	EE	TM	Type	Credits	Min %
Course Work: 12 Credits								
01	RES101	Research Methodology	50	50	100	T	4	55%
02	RES132	Applications of Geospatial Techniques	50	50	100	T	4	55%
03	RES133	Geology	50	50	100	T	4	55%
Research Work								
		Research Work	Presentations and Viva-Voce				60	Award

SCIENCE PG PROGRAMMES [FROM 2023 PATTERN ONWARDS]

Implementation of National Education Policy 2020 (NEP 2020) for PG Programmes

New Postgraduate Programmes as per NEP from Academic Year 2023-24:

The National Education Policy 2020 (NEP 2020) will be implemented by Yashwantrao Chavan Maharashtra Open University with effect from the academic year 2023-2024 for all existing postgraduate programmes as stated in the Government resolution: शासन निर्णय क्रमांक: एनईपी-2022/प्र.क्र.09/विशि-3 शिकाना, dated 16 May 2023. This implementation is in accordance with **NEP 2020's directing principles**.

The postgraduate degree is of 2 years duration divided into 4 semesters. Each semester is of 22 credits, resulting in a total of 88 credits for the degree. Therefore, postgraduate programmes offered by the School of Sciences [MSc (Mathematics), MSc (Environmental Science), MSc (Physics), MSc (Chemistry), MSc (Botany), and MSc (Zoology)] have undergone a revamp with the following key changes:

- **New Structure:** The Programme Structures and Credit Distribution, and Curricula is revised to reflect NEP-2020's structure and features.
- **Reorganized Course Offerings:** On the university website, you will find the newly designed curricula for each MSc programme. The split of mandatory (core) courses into Discipline Specific Core Courses (DSC) and Discipline Specific Elective Courses (DSE) is one of the fundamental components of the new postgraduate programme structure.
- **Emphasis on 'On Job Training (OJT)'/ Field Project (FP), Research Project (RP) Courses:** The new programme structure includes courses on research methodology in the first semester, opportunities for 'On Job Training' such as Internships or Field Project (FP) in the second semester, research projects of 04 credits in the third semester and a research project of 06 credits in the fourth semester.

Note: The detailed implementation guidelines regarding On Job Training (OJT), Field project (FP) and Research Projects (RP) shall be provided separately on the university's official website. The learners are advised to check website regularly for these guidelines and related updation/modification if any.

PROGRAMME STRUCTURE (AS PER NEP 2020)

The following Programme Structure is applicable for

- **2 Years** - 4 Semesters **PG Degree (88 Credits)** after Three Year UG Degree **or**
- **1 Years** - 2 Semesters **PG Degree (44 Credits)** after Four Year UG Degree

Abbreviations of the courses

Mandatory DSC	Discipline Specific Core Course	Elective DSE	Discipline Specific Elective Course
RM	Research Methodology	OJT	On Job Training: Internship
FP	Field projects	RP	Research Project
OE	Open Elective (May be taken from MOOC or may be chosen from other domain of learning to get exposure to interdisciplinary domain)----Made provision but not implemented yet		

V151: M.Sc. (MATHEMATICS){2023 PATTERN}

SN	Course Category	Code	Course Name	Type	CR	CA		UA / EE		TM	
						Min	Max	Min	Max	Min	Max
[Level 6.0] Semester I : 22 Credits											
01	Mandatory(DSC)	MAT501	Real Analysis	T	4	12	30	28	70	40	100
02	Mandatory(DSC)	MAT502	Abstract Algebra	T	4	12	30	28	70	40	100
03	Mandatory(DSC)	MAT503	Ordinary Differential Equations	T	2	6	15	14	35	20	50
04	Mandatory(DSC)	MAT504	Programming in C and Scilab	P	4	20	50	20	50	40	100
05	RM	RES505	Research Methodology	T	4	12	30	28	70	40	100
Elective (DSE) Courses (Select Any One)											
06	Elective (DSE)	MAT506	Operations Research	T	4	12	30	28	70	40	100
07	Elective (DSE)	MAT507	Numerical Analysis	T	4	12	30	28	70	40	100
[Level 6.0] Semester II : 22 Credits											
08	Mandatory(DSC)	MAT509	Topology	T	4	12	30	28	70	40	100
09	Mandatory(DSC)	MAT510	Linear Algebra	T	4	12	30	28	70	40	100
10	Mandatory(DSC)	MAT511	Partial Differential Equations	T	2	6	15	14	35	20	50
11	Mandatory(DSC)	MAT512	LaTex and Programming in SageMath	P	4	20	50	20	50	40	100
12	OJT/FP	MAT513 MAT514	Any one OJT or FP OJT FP	TW	4	20	50	20	50	40	100
Elective (DSE) Courses (Select Any One)											
13	Elective (DSE)	MAT515	Number Theory	T	4	12	30	28	70	40	100
14	Elective (DSE)	MAT516	Field Theory	T	4	12	30	28	70	40	100
Exit option: PG Diploma in Mathematics (Level 6.0) after Three Year UG Degree											
[Level 6.5] Semester III : 22 Credits											
15	Mandatory(DSC)	MAT601	Complex Analysis	T	4	12	30	28	70	40	100
16	Mandatory(DSC)	MAT602	Measure and Integration Theory	T	4	12	30	28	70	40	100
17	Mandatory(DSC)	MAT603	Integral Equations	T	2	6	15	14	35	20	50
18	Mandatory(DSC)	MAT604	Mathematical Statistics & Combinatorics	P	4	20	50	20	50	40	100
19	RP	MAT605	Research Project	PW	4	20	50	20	50	40	100
Elective (DSE)Courses (Select Any One)											
20	Elective (DSE)	MAT606	Discrete Mathematics	T	4	12	30	28	70	40	100
21	Elective (DSE)	MAT607	Differential Geometry	T	4	12	30	28	70	40	100
22	Elective (DSE)	MAT608	Integral Transforms	T	4	12	30	28	70	40	100
Online non-credit Audit Course											

SN	Course Category	Code	Course Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
23	Audit Course	CSC103	Cyber Security	T	-	6	15	14	35	20	50
[Level 6.5] Semester IV: 22 Credits											
24	Mandatory(DSC)	MAT609	Classical Mechanics	T	4	12	30	28	70	40	100
25	Mandatory(DSC)	MAT610	Functional Analysis	T	4	12	30	28	70	40	100
26	Mandatory(DSC)	MAT611	Programming in Python	P	4	20	50	20	50	40	100
27	RP	MAT612	Research Project	PW	6	30	75	30	75	60	150
Elective (DSE) Courses (Select Any One)											
28	Elective (DSE)	MAT613	Cryptography	T	4	12	30	28	70	40	100
29	Elective (DSE)	MAT614	Topics in Fuzzy Mathematics	T	4	12	30	28	70	40	100
30	Elective (DSE)	MAT615	Algebraic Topology	T	4	12	30	28	70	40	100
2 Years- 4 Semester PG Degree in Mathematics (88 credits) after Three Year UG Degree											

V152: M.SC. (ENVIRONMENTAL SCIENCE){2023 PATTERN}

SN	Course Category	Code	Course Name	Type	CR	CA		UA / EE		TM	
						Min	Max	Min	Max	Min	Max
[Level 6.0] Semester I : 22 Credits											
01	Mandatory(DSC)	EVS501	Environmental Science and Environmental Biology	T	4	12	30	28	70	40	100
02	Mandatory(DSC)	EVS502	Natural Resources and Their Conservation	T	4	12	30	28	70	40	100
03	Mandatory(DSC)	EVS503	Biodiversity and Conservation	T	2	6	15	14	35	20	50
04	Mandatory(DSC)	EVS504	Lab Activities on EVS501, EVS502 & EVS503	P	4	20	50	20	50	40	100
05	RM	RES505	Research Methodology	T	4	12	30	28	70	40	100
Elective (DSE) Courses (Select Any One)											
06	Elective (DSE)	EVS506	Environmental Education, Policies & Legislation	T	4	12	30	28	70	40	100
07	Elective (DSE)	EVS507	Management of Water Resources	T	4	12	30	28	70	40	100
[Level 6.0] Semester II : 22 Credits											
08	Mandatory(DSC)	EVS509	Environmental Chemistry	T	4	12	30	28	70	40	100
09	Mandatory(DSC)	EVS510	Environmental Geosciences & Computer Applications	T	4	12	30	28	70	40	100
10	Mandatory(DSC)	EVS511	Herbal Wealth	T	2	6	15	14	35	20	50
11	Mandatory(DSC)	EVS512	Lab Activities on EVS509 & EVS510	P	4	20	50	20	50	40	100
12	OJT/FP	EVS513 EVS514	Any one OJT or FP OJT FP	TW	4	20	50	20	50	40	100

SN	Course Category	Code	Course Name	Type	CR	CA		UA / EE		TM	
						Min	Max	Min	Max	Min	Max
Elective (DSE) Courses (Select Any One)											
13	Elective (DSE)	EVS515	Environmental Sustainability	T	4	12	30	28	70	40	100
14	Elective (DSE)	EVS516	Solid & Hazardous Waste Management	T	4	12	30	28	70	40	100
Exit option: PG Diploma in Environmental Science (Level 6.0) after Three Year UG Degree											
[Level 6.5] Semester III : 22 Credits											
15	Mandatory(DSC)	EVS601	Environmental Monitoring and Energy Studies	T	4	12	30	28	70	40	100
16	Mandatory(DSC)	EVS602	Instrumentation & Lab Techniques	T	4	12	30	28	70	40	100
17	Mandatory(DSC)	EVS603	Green Chemistry	T	2	6	15	14	35	20	50
18	Mandatory(DSC)	EVS604	Lab Activities on EVS601 & EVS602	P	4	20	50	20	50	40	100
19	RP	EVS605	Research Project	PW	4	20	50	20	50	40	100
Elective (DSE)Courses (Select Any One)											
20	Elective (DSE)	EVS606	Sustainable Management of Biodiversity	T	4	12	30	28	70	40	100
21	Elective (DSE)	EVS607	Environmental Management	T	4	12	30	28	70	40	100
22	Elective (DSE)	EVS608	Renewable Energy Studies	T	4	12	30	28	70	40	100
Online non-credit Audit Course											
23	Audit Course	CSC103	Cyber Security	T	-	6	15	14	35	20	50
[Level 6.5] Semester IV: 22 Credits											
24	Mandatory(DSC)	EVS609	Environmental Microbiology and Toxicology	T	4	12	30	28	70	40	100
25	Mandatory(DSC)	EVS610	Environmental Issues & Human Health	T	4	12	30	28	70	40	100
26	Mandatory(DSC)	EVS611	Lab Activities on EVS609 & EVS610	P	4	20	50	20	50	40	100
27	RP	EVS612	Research Project	PW	6	30	75	30	75	60	150
Elective (DSE)Courses (Select Any One)											
28	Elective (DSE)	EVS613	Statistical Approaches & Modeling in Environmental Sciences	T	4	12	30	28	70	40	100
29	Elective (DSE)	EVS614	Disaster Management	T	4	12	30	28	70	40	100
30	Elective (DSE)	EVS615	Medicinal Plants and their Applications	T	4	12	30	28	70	40	100
2 Years- 4 Semester PG Degree in Environmental Science (88 credits) after Three Year UG Degree											

V153: M.Sc. (PHYSICS){2023 PATTERN}

SN	Course Category	Code	Course Name	Type	CR	CA		UA / EE		TM	
						Min	Max	Min	Max	Min	Max
[Level 6.0] Semester I : 22 Credits											
01	Mandatory(DSC)	PHY501	Classical Mechanics	T	4	12	30	28	70	40	100
02	Mandatory(DSC)	PHY502	Electronic Devices	T	4	12	30	28	70	40	100
03	Mandatory(DSC)	PHY503	Mathematical Methods in Physics	T	2	6	15	14	35	20	50
04	Mandatory(DSC)	PHY504	Physics I – Practical	P	4	20	50	20	50	40	100
05	RM	RES505	Research Methodology	T	4	12	30	28	70	40	100
Elective (DSE) Courses (Select Any One)											
06	Elective (DSE)	PHY506	Experimental Techniques in Physics	T	4	12	30	28	70	40	100
07	Elective (DSE)	PHY507	Physics of LASERs	T	4	12	30	28	70	40	100
[Level 6.0] Semester II : 22 Credits											
08	Mandatory(DSC)	PHY509	Atomic and Molecular Physics	T	4	12	30	28	70	40	100
09	Mandatory(DSC)	PHY510	Electrodynamics	T	4	12	30	28	70	40	100
10	Mandatory(DSC)	PHY511	Quantum Mechanics-I	T	2	6	15	14	35	20	50
11	Mandatory(DSC)	PHY512	Physics II – Practical (Computational Methods using ‘C’ program)	P	4	20	50	20	50	40	100
12	OJT/FP	PHY513 PHY514	Any one OJT or FP OJT FP	TW	4	20	50	20	50	40	100
Elective (DSE) Courses (Select Any One)											
13	Elective (DSE)	PHY515	Fundamentals of Materials Science	T	4	12	30	28	70	40	100
14	Elective (DSE)	PHY516	Medical Physics	T	4	12	30	28	70	40	100
Exit option: PG Diploma in Physics (Level 6.0) after Three Year UG Degree											
[Level 6.5] Semester III : 22 Credits											
15	Mandatory(DSC)	PHY601	Statistical Mechanics	T	4	12	30	28	70	40	100
16	Mandatory(DSC)	PHY602	Condensed Matter Physics	T	4	12	30	28	70	40	100
17	Mandatory(DSC)	PHY603	Quantum Mechanics - II	T	2	6	15	14	35	20	50
18	Mandatory(DSC)	PHY604	Physics III - Practical	P	4	20	50	20	50	40	100
19	RP	PHY605	Research Project	PW	4	20	50	20	50	40	100
Elective (DSE)Courses (Select Any One)											
20	Elective (DSE)	PHY606	Physics of Thin Film	T	4	12	30	28	70	40	100
21	Elective (DSE)	PHY607	Astronomy and Astrophysics	T	4	12	30	28	70	40	100
22	Elective (DSE)	PHY608	Energy Studies	T	4	12	30	28	70	40	100

SN	Course Category	Code	Course Name	Type	CR	CA		UA / EE		TM	
						Min	Max	Min	Max	Min	Max
Online non-credit Audit Course											
23	Audit Course	CSC103	Cyber Security	T	-	6	15	14	35	20	50
[Level 6.5] Semester IV: 22 Credits											
24	Mandatory(DSC)	PHY609	Nuclear and Particle Physics	T	4	12	30	28	70	40	100
25	Mandatory(DSC)	PHY610	Electronic Instrumentation	T	4	12	30	28	70	40	100
26	Mandatory(DSC)	PHY611	Physics IV – Practical	P	4	20	50	20	50	40	100
27	RP	PHY612	Research Project	PW	6	30	75	30	75	60	150
Elective (DSE)Courses (Select Any One)											
28	Elective (DSE)	PHY613	Physics of Nano Materials	T	4	12	30	28	70	40	100
29	Elective (DSE)	PHY614	General Relativity & Cosmology	T	4	12	30	28	70	40	100
30	Elective (DSE)	PHY615	Energy from Waste	T	4	12	30	28	70	40	100
2 Years- 4 Semester PG Degree in Physics (88 credits) after Three Year UG Degree											

V154: M.Sc. (CHEMISTRY){2023 PATTERN}

SN	Course Category	Code	Course Name	Type	CR	CA		UA / EE		TM	
						Min	Max	Min	Max	Min	Max
[Level 6.0] Semester I : 22 Credits											
01	Mandatory(DSC)	CHE501	Inorganic Chemistry-I	T	4	12	30	28	70	40	100
02	Mandatory(DSC)	CHE502	Physical Chemistry-I	T	4	12	30	28	70	40	100
03	Mandatory(DSC)	CHE503	Organic Chemistry-I	T	2	6	15	14	35	20	50
04	Mandatory(DSC)	CHE504	Lab Activities on CHE501, CHE502 & CHE503	P	4	20	50	20	50	40	100
05	RM	RES505	Research Methodology	T	4	12	30	28	70	40	100
Elective (DSE) Courses (Select Any One)											
06	Elective (DSE)	CHE506	Physical Methods in Chemistry	T	4	12	30	28	70	40	100
07	Elective (DSE)	CHE507	Polymer Chemistry	T	4	12	30	28	70	40	100
[Level 6.0] Semester II : 22 Credits											
08	Mandatory(DSC)	CHE509	Inorganic Chemistry-II	T	4	12	30	28	70	40	100
09	Mandatory(DSC)	CHE510	Physical Chemistry-II	T	4	12	30	28	70	40	100
10	Mandatory(DSC)	CHE511	Organic Chemistry-II	T	2	6	15	14	35	20	50
11	Mandatory(DSC)	CHE512	Lab Activities on CHE509, CHE510 & CHE511	P	4	20	50	20	50	40	100
12	OJT/FP	CHE513 CHE514	Any one OJT or FP OJT FP	TW	4	20	50	20	50	40	100

SN	Course Category	Code	Course Name	Type	CR	CA		UA / EE		TM	
						Min	Max	Min	Max	Min	Max
Elective (DSE) Courses (Select Any One)											
13	Elective (DSE)	CHE515	Analytical Chemistry	T	4	12	30	28	70	40	100
14	Elective (DSE)	CHE516	Chemical Mathematics & Biostatistics	T	4	12	30	28	70	40	100
Exit option: PG Diploma in Chemistry (Level 6.0) after Three Year UG Degree											
[Level 6.5] Semester III : 22 Credits											
15	Mandatory(DSC)	CHE601	Organic Reaction Mechanism	T	4	12	30	28	70	40	100
16	Mandatory(DSC)	CHE602	Stereochemistry	T	4	12	30	28	70	40	100
17	Mandatory(DSC)	CHE603	Advanced Synthetic Methods	T	2	6	15	14	35	20	50
18	Mandatory(DSC)	CHE604	Lab Activities on CHE601, CHE602 & CHE603	P	4	20	50	20	50	40	100
19	RP	CHE605	Research Project	PW	4	20	50	20	50	40	100
Elective (DSE)Courses (Select Any One)											
20	Elective (DSE)	CHE606	Green Chemistry	T	4	12	30	28	70	40	100
21	Elective (DSE)	CHE607	Drugs & Heterocyclic	T	4	12	30	28	70	40	100
22	Elective (DSE)	CHE608	Biotechnology	T	4	12	30	28	70	40	100
Online non-credit Audit Course											
23	Audit Course	CSC103	Cyber Security	T	-	6	15	14	35	20	50
[Level 6.5] Semester IV: 22 Credits											
24	Mandatory(DSC)	CHE609	Advanced Organic Chemistry	T	4	12	30	28	70	40	100
25	Mandatory(DSC)	CHE610	Advanced Organic Spectroscopy	T	4	12	30	28	70	40	100
26	Mandatory(DSC)	CHE611	Lab Activities on CHE609 & CHE610	P	4	20	50	20	50	40	100
27	RP	CHE612	Research Project	PW	6	30	75	30	75	60	150
Elective (DSE)Courses (Select Any One)											
28	Elective (DSE)	CHE613	Natural Products	T	4	12	30	28	70	40	100
29	Elective (DSE)	CHE614	Industrial Organic Chemistry	T	4	12	30	28	70	40	100
30	Elective (DSE)	CHE615	Pharmaceutical Chemistry	T	4	12	30	28	70	40	100
2 Years- 4 Semester PG Degree in Chemistry (88 credits) after Three Year UG Degree											

V155: M.Sc. (ZOOLOGY){2023 PATTERN}

SN	Course Category	Code	Course Name	Type	CR	CA		UA / EE		TM	
						Min	Max	Min	Max	Min	Max
[Level 6.0] Semester I : 22 Credits											
01	Mandatory(DSC)	ZOO501	Biochemistry	T	4	12	30	28	70	40	100

SN	Course Category	Code	Course Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
02	Mandatory(DSC)	ZOO502	Cell Biology	T	4	12	30	28	70	40	100
03	Mandatory(DSC)	ZOO503	Applied Zoology Part-I	T	2	6	15	14	35	20	50
04	Mandatory(DSC)	ZOO504	Lab on Biochemistry, Cell Biology & Applied Zoology Part-I	P	4	20	50	20	50	40	100
05	RM	RES505	Research Methodology	T	4	12	30	28	70	40	100
Elective (DSE) Courses (Select Any One)											
06	Elective (DSE)	ZOO506	Developmental Biology	T	4	12	30	28	70	40	100
07	Elective (DSE)	ZOO507	Entomology	T	4	12	30	28	70	40	100
[Level 6.0] Semester II : 22 Credits											
08	Mandatory(DSC)	ZOO509	Molecular Biology	T	4	12	30	28	70	40	100
09	Mandatory(DSC)	ZOO510	Genetics	T	4	12	30	28	70	40	100
10	Mandatory(DSC)	ZOO511	Applied Zoology Part-II	T	2	6	15	14	35	20	50
11	Mandatory(DSC)	ZOO512	Lab on Molecular Biology, Genetics & Applied Zoology Part-II	P	4	20	50	20	50	40	100
12	OJT/FP	ZOO513 ZOO514	Any one OJT or FP OJT FP	TW	4	20	50	20	50	40	100
Elective (DSE) Courses (Select Any One)											
13	Elective (DSE)	ZOO515	Animal Biotechnology	T	4	12	30	28	70	40	100
14	Elective (DSE)	ZOO516	Toxicology	T	4	12	30	28	70	40	100
Exit option: PG Diploma in Zoology (Level 6.0) after Three Year UG Degree											
[Level 6.5] Semester III : 22 Credits											
15	Mandatory(DSC)	ZOO601	Immunology	T	4	12	30	28	70	40	100
16	Mandatory(DSC)	ZOO602	Endocrinology	T	4	12	30	28	70	40	100
17	Mandatory(DSC)	ZOO603	Biodiversity & Conservation	T	2	6	15	14	35	20	50
18	Mandatory(DSC)	ZOO604	Lab on Immunology, Endocrinology and Biodiversity & Conservation	P	4	20	50	20	50	40	100
19	RP	ZOO605	Research Project	PW	4	20	50	20	50	40	100
Elective (DSE) Courses (Select Any One)											
20	Elective (DSE)	ZOO606	Reproductive Physiology	T	4	12	30	28	70	40	100
21	Elective (DSE)	ZOO607	Vermiculture	T	4	12	30	28	70	40	100
22	Elective (DSE)	ZOO608	Animal Behavior	T	4	12	30	28	70	40	100
Online non-credit Audit Course											
23	Audit Course	CSC103	Cyber Security	T	-	6	15	14	35	20	50
[Level 6.5] Semester IV: 22 Credits											

SN	Course Category	Code	Course Name	Type	CR	CA		UA / EE		TM	
						Min	Max	Min	Max	Min	Max
24	Mandatory(DSC)	ZOO609	Animal Physiology	T	4	12	30	28	70	40	100
25	Mandatory(DSC)	ZOO610	Ichthyology	T	4	12	30	28	70	40	100
26	Mandatory(DSC)	ZOO611	Lab on Animal physiology & Ichthyology	P	4	20	50	20	50	40	100
27	RP	ZOO612	Research Project	PW	6	30	75	30	75	60	150
Elective (DSE) Courses (Select Any One)											
28	Elective (DSE)	ZOO613	Comparative Animal Physiology	T	4	12	30	28	70	40	100
29	Elective (DSE)	ZOO614	Aquaculture	T	4	12	30	28	70	40	100
30	Elective (DSE)	ZOO615	Parasitology	T	4	12	30	28	70	40	100
2 Years- 4 Semester PG Degree in Zoology (88 credits) after Three Year UG Degree											

V156: M.SC. (BOTANY){2023 PATTERN}

SN	Course Category	Code	Course Name	Type	CR	CA		UA / EE		TM	
						Min	Max	Min	Max	Min	Max
[Level 6.o] Semester I : 22 Credits											
01	Mandatory(DSC)	BOT501	Diversity of Non-Vascular Plants - I	T	4	12	30	28	70	40	100
02	Mandatory(DSC)	BOT502	Diversity of Non-Vascular Plants - II	T	4	12	30	28	70	40	100
03	Mandatory(DSC)	BOT503	Diversity of Vascular Plants & Paleobotany - I	T	2	6	15	14	35	20	50
04	Mandatory(DSC)	BOT504	Lab Activities on BOT501, BOT502 & BOT503	P	4	20	50	20	50	40	100
05	RM	RES505	Research Methodology	T	4	12	30	28	70	40	100
Elective (DSE) Courses (Select Any One)											
06	Elective (DSE)	BOT506	Applied Phycology	T	4	12	30	28	70	40	100
07	Elective (DSE)	BOT507	Tools and Techniques in Plant Science	T	4	12	30	28	70	40	100
[Level 6.o] Semester II : 22 Credits											
08	Mandatory(DSC)	BOT509	Plant Physiology	T	4	12	30	28	70	40	100
09	Mandatory(DSC)	BOT510	Herbal Wealth	T	4	12	30	28	70	40	100
10	Mandatory(DSC)	BOT511	Diversity of Vascular Plants and Paleobotany - II	T	2	6	15	14	35	20	50
11	Mandatory(DSC)	BOT512	Lab Activities on BOT509, BOT510 & BOT511	P	4	20	50	20	50	40	100
12	OJT/FP	BOT513 BOT514	Any one OJT or FP OJT FP	TW	4	20	50	20	50	40	100
Elective (DSE) Courses (Select Any One)											
13	Elective (DSE)	BOT515	Biotechnology and Molecular Biology	T	4	12	30	28	70	40	100

SN	Course Category	Code	Course Name	Type	CR	CA		UA / EE		TM	
						Min	Max	Min	Max	Min	Max
14	Elective (DSE)	BOT516	Ecology and Phytogeography	T	4	12	30	28	70	40	100
Exit option: PG Diploma in Botany (Level 6.0) after Three Year UG Degree											
[Level 6.5] Semester III : 22 Credits											
15	Mandatory(DSC)	BOT601	Cytogenetics and Plant Breeding	T	4	12	30	28	70	40	100
16	Mandatory(DSC)	BOT602	Advanced Plant Physiology	T	4	12	30	28	70	40	100
17	Mandatory(DSC)	BOT603	Pharmacognosy	T	2	6	15	14	35	20	50
18	Mandatory(DSC)	BOT604	Lab Activities on BOT601, BOT602 & BOT603	P	4	20	50	20	50	40	100
19	RP	BOT605	Research Project	PW	4	20	50	20	50	40	100
Elective (DSE)Courses (Select Any One)											
20	Elective (DSE)	BOT606	Biostatistics	T	4	12	30	28	70	40	100
21	Elective (DSE)	BOT607	Mycology and Plant Pathology	T	4	12	30	28	70	40	100
22	Elective (DSE)	BOT608	Renewable Energy Studies	T	4	12	30	28	70	40	100
Online non-credit Audit Course											
23	Audit Course	CSC103	Cyber Security	T	-	6	15	14	35	20	50
[Level 6.5] Semester IV: 22 Credits											
24	Mandatory(DSC)	BOT609	Taxonomy of Angiosperms	T	4	12	30	28	70	40	100
25	Mandatory(DSC)	BOT610	Seed Technology	T	4	12	30	28	70	40	100
26	Mandatory(DSC)	BOT611	Lab Activities on BOT609 & BOT610	P	4	20	50	20	50	40	100
27	RP	BOT612	Research Project	PW	6	30	75	30	75	60	150
Elective (DSE)Courses (Select Any One)											
28	Elective (DSE)	BOT613	Anatomy and Embryology	T	4	12	30	28	70	40	100
29	Elective (DSE)	BOT614	Hydroponic Technology	T	4	12	30	28	70	40	100
30	Elective (DSE)	BOT615	Medicinal Plants and their Applications	T	4	12	30	28	70	40	100
2 Years- 4 Semester PG Degree in Botany (88 credits) after Three Year UG Degree											

V157: M.Sc. (MATHEMATICS WITH COMPUTER APPLICATIONS) {2025 PATTERN}

SN	Course Category	Code	Course Name	Type	CR	CA		UA / EE		TM	
						Min	Max	Min	Max	Min	Max
[Level 6.0] Semester I : 22 Credits											
01	Mandatory(DSC)	MAT501	Real Analysis	T	4	12	30	28	70	40	100
02	Mandatory(DSC)	MAT502	Abstract Algebra	T	4	12	30	28	70	40	100
03	Mandatory(DSC)	MAT503	Ordinary Differential Equations	T	2	6	15	14	35	20	50

SN	Course Category	Code	Course Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
04	Mandatory(DSC)	MAT611	Programming in Python	P	4	20	50	20	50	40	100
05	RM	RES505	Research Methodology	T	4	12	30	28	70	40	100
Elective (DSE) Courses (Select Any One)											
06	Elective (DSE)	MAT506	Operations Research	T	4	12	30	28	70	40	100
07	Elective (DSE)	MAT515	Number Theory	T	4	12	30	28	70	40	100
08	Elective (DSE)	MAT508	Introduction to Probability and Statistics	T	4	12	30	28	70	40	100
[Level 6.0] Semester II : 22 Credits											
09	Mandatory(DSC)	MAT509	Topology	T	4	12	30	28	70	40	100
10	Mandatory(DSC)	MAT510	Linear Algebra	T	4	12	30	28	70	40	100
11	Mandatory(DSC)	MAT511	Partial Differential Equations	T	2	6	15	14	35	20	50
12	Mandatory(DSC)	MAT512	LaTex and Programming in SageMath	P	4	20	50	20	50	40	100
13	OJT/FP	MAT513 MAT514	Any one OJT or FP OJT FP	TW	4	20	50	20	50	40	100
Elective (DSE) Courses (Select Any One)											
14	Elective (DSE)	MAT507	Numerical Analysis	T	4	12	30	28	70	40	100
15	Elective (DSE)	MAT518	Field and Coding Theory	T	4	12	30	28	70	40	100
16	Elective (DSE)	MAT519	Statistical Inference	T	4	12	30	28	70	40	100
Exit option: PG Diploma in Mathematics with Computer Applications (Level 6.0) after Three Year UG Degree											
[Level 6.5] Semester III : 22 Credits											
17	Mandatory(DSC)	MAT601	Complex Analysis	T	4	12	30	28	70	40	100
18	Mandatory(DSC)	MAT616	Machine Learning (ML)	T	4	12	30	28	70	40	100
19	Mandatory(DSC)	MAT617	Introduction to Artificial Intelligence (AI)	T	2	6	15	14	35	20	50
20	Mandatory(DSC)	MAT618	Practical on AI & ML	P	4	20	50	20	50	40	100
21	RP	MAT605	Research Project	PW	4	20	50	20	50	40	100
Elective (DSE) Courses (Select Any One)											
22	Elective (DSE)	MAT619	Design and Analysis of Algorithm	T	4	12	30	28	70	40	100
23	Elective (DSE)	MAT620	Foundation of Quantum Computing	T	4	12	30	28	70	40	100
24	Elective (DSE)	MAT621	Time Series Analysis	T	4	12	30	28	70	40	100
Online non-credit Audit Course											
25	Audit Course	CSC103	Cyber Security	T	-	6	15	14	35	20	50

SN	Course Category	Code	Course Name	Type	CR	CA		UA / EE		TM	
						Min	Max	Min	Max	Min	Max
[Level 6.5] Semester IV: 22 Credits											
26	Mandatory(DSC)	MAT606	Discrete Mathematics	T	4	12	30	28	70	40	100
27	Mandatory(DSC)	MAT622	Introduction to Data Science	T	4	12	30	28	70	40	100
28	Mandatory(DSC)	MAT623	SQL for Data Science	P	4	20	50	20	50	40	100
29	RP	MAT612	Research Project	PW	6	30	75	30	75	60	150
Elective (DSE)Courses (Select Any One)											
30	Elective (DSE)	MAT613	Cryptography	T	4	12	30	28	70	40	100
31	Elective (DSE)	MAT624	Quantum Computing Algorithm	T	4	12	30	28	70	40	100
32	Elective (DSE)	MAT625	Theory of Computations	T	4	12	30	28	70	40	100
2 Years- 4 Semester PG Degree in Mathematics with Computer Applications (88 credits) after Three Year UG Degree											

SCIENCE UG PROGRAMMES [FROM 2025 PATTERN ONWARDS]

Implementation of National Education Policy 2020 (NEP 2020) for UG programmes

New Undergraduate Programmes as per NEP from Academic Year 2025-26:

(Programmes are recognized by UGC-DEB)

The National Education Policy 2020 (NEP 2020) will be implemented by Yashwantrao Chavan Maharashtra Open University with effect from the academic year 2025-2026 for all existing undergraduate programmes as stated in the **Government resolution**: शासन निर्णय क्रमांक: एनईपी-2022/प्र.क्र.09/विशि-3 शिकाना, dated 20 April, 2023. This implementation is in accordance with **NEP 2020's directing principles**.

The Undergraduate programmes of this school consists of 4 year Honours degree programmes:

- Undergraduate **Honours Degree** programmes: 4 year duration divided into 8 semesters. Each semester is of 22 credits, resulting in a total of 176 credits for the award of Honours degree.

The Undergraduate programmes emphasize the **design, development, and delivery of a multidisciplinary, holistic, and integrated curriculum**. These programmes are referred to as **B.Sc. (Honours)** programmes, which provide **essential knowledge** across:

- **Major discipline courses**
- **Minor courses** (selected from disciplines other than the major)
- **Open elective courses** (chosen from other faculties)

The curriculum features a **carefully balanced mix of theory and practical** components to prepare students for:

- **Specialist professional roles**
- **Research and academic careers**
- **Employment in diverse industries**

The curriculum is **learner-centric** and outcome-based, emphasizing both **knowledge and skill development** through:

- **VSC** (Vocational Skill Courses)
- **SEC** (Skill Enhancement Courses)
- **AEC** (Ability Enhancement Courses)
- **VEC** (Value Education Courses)
- **IKS** (Indian Knowledge System)
- Co-Curricular Courses (**CC**), Community Engagement Programs (**CEP**), Field Projects (**FP**), On Job Training (**OJT**) and more.

[**Note**: The learners are advised to check website regularly for the guidelines and related updation/modification if any].

These Undergraduate (UG) degree programmes are available in 4 year durations and provide Multiple Entry and Multiple Exit options for re-entry, accompanied by appropriate certifications:

- **UG Certificate**: Awarded after completing 1 year (2 semesters), with 44 credits and an additional 4 credits core NSQF course/ Internship
- **UG Diploma**: Awarded after completing 2 years (4 semesters), with 88 credits and an additional 4 credits core NSQF course/ Internship
- **3-Year Bachelor's Degree**: Awarded after completing 3 year (6 semesters), with 132 credits of the programme.
- **4-Year Bachelor's Degree (Honours)**: Awarded after completing 4year (8 semesters), with 176 credits of the programme.

The undergraduate **B.Sc. (Honours) programmes** in alignment with the **National Education Policy** (NEP 2020) offer by the School of Sciences:

- From **AY 2026-27** - B.Sc. (Honours) (Physics), B.Sc. (Honours) (Chemistry), B.Sc. (Honours) (Mathematics), B.Sc. (Honours) (Botany), B.Sc. (Honours) (Zoology) and
- From **AY 2025-26** - B.Sc. (Honours) (Environmental Science)

PROGRAMME STRUCTURE (AS PER NEP 2020)

The following Programme Structure is applicable for

4 Year - 8 Semesters **B.Sc. (Honours) Degree (176 Credits)** after 12th / (10+2)th / Level 4.0 examination

Abbreviations of the courses

Mandatory DSC	Discipline Specific Core Course	Elective DSE	Discipline Specific Elective Course
OE	Generic / Open Elective	VSC	Vocational Skill Courses
SEC	Skill Enhancement Courses	AEC	Ability Enhancement Courses
VEC	Value Education Courses	IKS	Indian Knowledge System
OJT	On Job Training	FP	Field Project
CEP	Community Engagement & Service	CC	Co-curricular Courses: List is given as
			Health and Wellness
			Cultural Activities
			Yoga education
RP	Research Project	RM	NSS
			Fine/Applied/Visual/Performing Arts
TW	Term Work	IPR	Research Methodology
			Intellectual Property Rights

UGV01: B.SC. (HONOURS) (PHYSICS) {2025 PATTERN}

SN	Course Category	Code	Course Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
[Level 4.5] Semester I : 22 Credits											
01	Major Mandatory	PHYC101	Mechanics	T	4	12	30	28	70	40	100
02	Major Mandatory	PHYC102	Lab Activities on PHYC101	P	2	10	25	10	25	20	50
03	OE	XXXE101	Select from other faculty OE courses List***	T	2	6	15	14	35	20	50
04	OE	XXXE102	Select from other faculty OE courses List***	T	2	6	15	14	35	20	50
05	VSC	PHYV101	Introduction to GeoGebra	TW	2	10	25	10	25	20	50
06	SEC	SECS101	Basic Instrumentation Skills	TW	2	10	25	10	25	20	50
07	AEC	AECL101	Listening and Speaking Skills in English	T	2	6	15	14	35	20	50
08	VEC	VECD101	Introduction to the Constitution of India	T	2	6	15	14	35	20	50
Select Any One from IKSK104 & IKSK105											
09	IKS	IKSK104	भारतीय ज्ञान परंपरेच्या अनुषंगाने विज्ञान आणि तंत्रज्ञान	T	2	6	15	14	35	20	50
		IKSK105	Indian Knowledge System – Generic (Offered in Online Mode) (भारतीय ज्ञान परंपरा – सामान्य)	T	2	6	15	14	35	20	50

SN	Course Category	Code	Course Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
Select Any One from CCRX101 to CCRX106											
10	CC	CCRX101	Health and Wellness-I	TW	2	20	50	-	-	20	50
		CCRX102	Yoga Education-I	TW	2	20	50	-	-	20	50
		CCRX103	Sports and Fitness-I	TW	2	20	50	-	-	20	50
		CCRX104	Cultural Activities-I	TW	2	20	50	-	-	20	50
		CCRX105	NSS-I	TW	2	20	50	-	-	20	50
		CCRX106	Fine/Applied/Visual/Performing Arts-I	TW	2	20	50	-	-	20	50
[Level 4.5] Semester II : 22 Credits											
11	Major Mandatory	PHYC103	Electricity & Magnetism	T	4	12	30	28	70	40	100
12	Major Mandatory	PHYC104	Lab Activities on PHYC103	P	2	10	25	10	25	20	50
13	Minor	XXXM101	To be Selected from Minor Courses List other than Major (DSC)**	T	2	6	15	14	35	20	50
14	OE	XXXE103	Select from other faculty OE courses List***	T	2	6	15	14	35	20	50
15	OE	XXXE104	Select from other faculty OE courses List***	T	2	6	15	14	35	20	50
16	VSC	PHYV102	Solar Panel System	TW	2	10	25	10	25	20	50
17	SEC	SECS102	MS-Excel with AI	TW	2	10	25	10	25	20	50
18	AEC	AECL102	Reading and Writing Skills in English	T	2	6	15	14	35	20	50
19	VEC	VECD102	Environmental Education	T	2	6	15	14	35	20	50
Select Any One from CCRX107 to CCRX112											
20	CC	CCRX107	Health and Wellness-II	TW	2	20	50	-	-	20	50
		CCRX108	Yoga Education-II	TW	2	20	50	-	-	20	50
		CCRX109	Sports and Fitness-II	TW	2	20	50	-	-	20	50
		CCRX110	Cultural Activities-II	TW	2	20	50	-	-	20	50
		CCRX111	NSS-II	TW	2	20	50	-	-	20	50
		CCRX112	Fine/Applied/Visual/Performing Arts-II	TW	2	20	50	-	-	20	50
Exit option: Award of UG Certificate in the Faculty of Science - Physics (Level 4.5) with 44 credits and an additional 4 credits core NSQF course/ Internship OR Continue with Major and Minor											
[Level 5.0] Semester III: 22 Credits											
21	Major Mandatory	PHYC201	Thermodynamics & Statistical Mechanics	T	4	12	30	28	70	40	100
22	Major Mandatory	PHYC202	Ancient Indian Physics	T	2	6	15	14	35	20	50
23	Major Mandatory	PHYC203	Lab Activities on PHYC201	P	2	10	25	10	25	20	50
24	Minor	XXXM201	To be Selected from Minor Courses List other than Major (DSC)**	T	2	6	15	14	35	20	50
25	Minor	XXXM202	To be Selected from Minor Courses List other than Major (DSC)**	P	2	10	25	10	25	20	50
26	OE	XXXE201	Select from other faculty OE courses List***	T	2	6	15	14	35	20	50
27	VSC	PHYV201	Electrical Circuit and Network Skills	P	2	10	25	10	25	20	50

SN	Course Category	Code	Course Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
28	AEC	AECL201	आधुनिक मराठी भाषा अभ्यास – I	T	2	6	15	14	35	20	50
29	FP	PHYF204	Field Project	TW	2	20	50	-	-	20	50
Select Any One from CCRX201 to CCRX206											
30	CC	CCRX201	Health and Wellness-III	TW	2	20	50	-	-	20	50
		CCRX202	Yoga Education-III	TW	2	20	50	-	-	20	50
		CCRX203	Sports and Fitness-III	TW	2	20	50	-	-	20	50
		CCRX204	Cultural Activities-III	TW	2	20	50	-	-	20	50
		CCRX205	NSS-III	TW	2	20	50	-	-	20	50
		CCRX206	Fine/Applied/Visual/Performing Arts-III	TW	2	20	50	-	-	20	50
Online non-credit Audit Course											
31	Audit Course	CSC101	Cyber Security	T	-	6	15	14	35	20	50
[Level 5.0] Semester IV: 22 Credits											
32	Major Mandatory	PHYC205	Wave Motion & Optics	T	4	12	30	28	70	40	100
33	Major Mandatory	PHYC206	Basics of Mathematical Methods in Physics	T	2	6	15	14	35	20	50
34	Major Mandatory	PHYC207	Lab Activities on PHYC205	P	2	10	25	10	25	20	50
35	Minor	XXXM203	To be Selected from Minor Courses List other than Major (DSC)**	T	2	6	15	14	35	20	50
36	Minor	XXXM204	To be Selected from Minor Courses List other than Major (DSC)**	P	2	10	25	10	25	20	50
37	OE	XXXE202	Select from other faculty OE courses List***	T	2	6	15	14	35	20	50
38	SEC	SECS201	Intellectual Property Rights	T	2	6	15	14	35	20	50
39	AEC	AECL202	आधुनिक मराठी भाषा अभ्यास – II	T	2	6	15	14	35	20	50
40	CEP	PHYG208	Awareness of Sustainable Development Goals-I	TW	2	20	50	-	-	20	50
Select Any One from CCRX207 to CCRX212											
41	CC	CCRX207	Health and Wellness-IV	TW	2	20	50	-	-	20	50
		CCRX208	Yoga Education-IV	TW	2	20	50	-	-	20	50
		CCRX209	Sports and Fitness-IV	TW	2	20	50	-	-	20	50
		CCRX210	Cultural Activities-IV	TW	2	20	50	-	-	20	50
		CCRX211	NSS-IV	TW	2	20	50	-	-	20	50
		CCRX212	Fine/Applied/Visual/Performing Arts-IV	TW	2	20	50	-	-	20	50
Exit option: Award of UG Diploma in the Faculty of Science-Physics (Level 5.0) with 88 credits and an additional 4 credits core NSQF course/ Internship OR Continue with Major and Minor											
[Level 5.5] Semester V: 22 Credits											
42	Major Mandatory	PHYC301	Classical & Quantum Mechanics	T	4	12	30	28	70	40	100
43	Major Mandatory	PHYC302	Solid State Physics	T	2	6	15	14	35	20	50
44	Major Mandatory	PHYC303	Lab Activities on PHYC301 & PHYC302	P	4	20	50	20	50	40	100

SN	Course Category	Code	Course Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
Select Any One from PHYC304, PHYC305, PHYC306											
45	Major Elective	PHYC304	Fundamentals of Astronomy & Astrophysics	T	4	12	30	28	70	40	100
	Major Elective	PHYC305	Semiconductor Technology	T	4	12	30	28	70	40	100
	Major Elective	PHYC306	Electronics	T	4	12	30	28	70	40	100
46	Minor	XXXM301	To be Selected from Minor Courses List other than Major (DSC)**	T	2	6	15	14	35	20	50
47	Minor	XXXM302	To be Selected from Minor Courses List other than Major (DSC)**	P	2	10	25	10	25	20	50
48	VSC	PHYV301	Lab Activities on Basic Electronics Devices	P	2	10	25	10	25	20	50
Select PHYF307 or PHYG308											
49	FP	PHYF307	Field Project	TW	2	20	50	-	-	20	50
	CEP	PHYG308	Awareness of Sustainable Development Goals-II	TW	2	20	50	-	-	20	50
[Level 5.5] Semester VI: 22 Credits											
50	Major Mandatory	PHYC309	Nuclear Physics & Radiation Safety	T	4	12	30	28	70	40	100
51	Major Mandatory	PHYC310	Electromagnetic Theory	T	2	6	15	14	35	20	50
52	Major Mandatory	PHYC311	Lab Activities on PHYC309 & PHYC310	P	4	20	50	20	50	40	100
Select Any One from PHYC312, PHYC313, PHYC314											
53	Major Elective	PHYC312	Instrumentation	T	4	12	30	28	70	40	100
	Major Elective	PHYC313	Energy Storage Devices	T	4	12	30	28	70	40	100
	Major Elective	PHYC314	Embedded System	T	4	12	30	28	70	40	100
54	Minor	XXXM303	To be Selected from Minor Courses List other than Major (DSC)**	T	2	6	15	14	35	20	50
55	Minor	XXXM304	To be Selected from Minor Courses List other than Major (DSC)**	P	2	10	25	10	25	20	50
56	OJT	PHYO315	On Job Training	TW	4	20	50	20	50	40	100
Exit option: Award of UG Degree in Physics (Level 5.5) with 132 credits OR Continue with Major and Minor											
[Level 6.0] Semester VII: 22 Credits											
57	Major Mandatory	PHYC401	Classical Mechanics	T	4	12	30	28	70	40	100
58	Major Mandatory	PHYC402	Electronic Devices	T	4	12	30	28	70	40	100
59	Major Mandatory	PHYC403	Mathematical Methods in Physics	T	2	6	15	14	35	20	50

SN	Course Category	Code	Course Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
60	Major Mandatory	PHYC404	Physics - I	P	4	20	50	20	50	40	100
61	RM	RESR405	Research Methodology	T	4	12	30	28	70	40	100
Select Any One from PHYC406, PHYC407											
62	Major Elective	PHYC406	Experimental Techniques in Physics	T	4	12	30	28	70	40	100
	Major Elective	PHYC407	Physics of LASERs	T	4	12	30	28	70	40	100
[Level 6.0] Semester VIII: 22 Credits											
63	Major Mandatory	PHYC409	Atomic & Molecular Physics	T	4	12	30	28	70	40	100
64	Major Mandatory	PHYC410	Electrodynamics	T	4	12	30	28	70	40	100
65	Major Mandatory	PHYC411	Quantum Mechanics - I	T	2	6	15	14	35	20	50
66	Major Mandatory	PHYC412	Physics II – Practical (Computational Methods using 'C')	P	4	20	50	20	50	40	100
67	OJT	PHYO413	On Job Training	TW	4	20	50	20	50	40	100
Select Any One from PHYC415, PHYC416											
68	Major Elective	PHYC415	Fundamentals of Material Science	T	4	12	30	28	70	40	100
	Major Elective	PHYC416	Medical Physics	T	4	12	30	28	70	40	100
Four Year UG Honours Degree in Physics and Minor in xxx with 176 credits											

UGV02: B.Sc. (HONOURS) (CHEMISTRY) {2025 PATTERN}

SN	Course Category	Code	Course Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
[Level 4.5] Semester I : 22 Credits											
01	Major Mandatory	CHEC101	Basic Inorganic & Organic Chemistry	T	4	12	30	28	70	40	100
02	Major Mandatory	CHEC102	Lab Activities on CHEC101	P	2	10	25	10	25	20	50
03	OE	XXXE101	Select from other faculty OE courses List***	T	2	6	15	14	35	20	50
04	OE	XXXE102	Select from other faculty OE courses List***	T	2	6	15	14	35	20	50
05	VSC	CHEV101	Food Chemistry	TW	2	10	25	10	25	20	50
06	SEC	SECS101	Basic Instrumentation Skills	TW	2	10	25	10	25	20	50
07	AEC	AECL101	Listening and Speaking Skills in English	T	2	6	15	14	35	20	50
08	VEC	VECD101	Introduction to the Constitution of India	T	2	6	15	14	35	20	50
Select Any One from IKSK104 & IKSK105											
09	IKS	IKSK104	भारतीय ज्ञान परंपरेच्या अनुषंगाने विज्ञान आणि तंत्रज्ञान	T	2	6	15	14	35	20	50

SN	Course Category	Code	Course Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
		IKSK105	Indian Knowledge System – Generic (Offered in Online Mode) (भारतीय ज्ञान परंपरा – सामान्य)	T	2	6	15	14	35	20	50
Select Any One from CCRX101 to CCRX106											
10	CC	CCRX101	Health and Wellness-I	TW	2	20	50	-	-	20	50
		CCRX102	Yoga Education-I	TW	2	20	50	-	-	20	50
		CCRX103	Sports and Fitness-I	TW	2	20	50	-	-	20	50
		CCRX104	Cultural Activities-I	TW	2	20	50	-	-	20	50
		CCRX105	NSS-I	TW	2	20	50	-	-	20	50
		CCRX106	Fine/Applied/Visual/Performing Arts-I	TW	2	20	50	-	-	20	50
[Level 4.5] Semester II : 22 Credits											
11	Major Mandatory	CHEC103	Physical & Organic Chemistry	T	4	12	30	28	70	40	100
12	Major Mandatory	CHEC104	Lab Activities on CHEC103	P	2	10	25	10	25	20	50
13	Minor	XXXM101	To be Selected from Minor Courses List other than Major (DSC)**	T	2	6	15	14	35	20	50
14	OE	XXXE103	Select from other faculty OE courses List***	T	2	6	15	14	35	20	50
15	OE	XXXE104	Select from other faculty OE courses List***	T	2	6	15	14	35	20	50
16	VSC	CHEV102	Chemistry of Biomolecules	TW	2	10	25	10	25	20	50
17	SEC	SECS102	MS-Excel with AI	TW	2	10	25	10	25	20	50
18	AEC	AECL102	Reading and Writing Skills in English	T	2	6	15	14	35	20	50
19	VEC	VECD102	Environmental Education	T	2	6	15	14	35	20	50
Select Any One from CCRX107 to CCRX112											
20	CC	CCRX107	Health and Wellness-II	TW	2	20	50	-	-	20	50
		CCRX108	Yoga Education-II	TW	2	20	50	-	-	20	50
		CCRX109	Sports and Fitness-II	TW	2	20	50	-	-	20	50
		CCRX110	Cultural Activities-II	TW	2	20	50	-	-	20	50
		CCRX111	NSS-II	TW	2	20	50	-	-	20	50
		CCRX112	Fine/Applied/Visual/Performing Arts-II	TW	2	20	50	-	-	20	50
Exit option: Award of UG Certificate in the Faculty of Science - Chemistry (Level 4.5) with 44 credits and an additional 4 credits core NSQF course/ Internship OR Continue with Major and Minor											
[Level 5.0] Semester III: 22 Credits											
21	Major Mandatory	CHEC201	Advanced Physical & Organic Chemistry	T	4	12	30	28	70	40	100
22	Major Mandatory	CHEC202	Ancient Indian Chemistry	T	2	6	15	14	35	20	50
23	Major Mandatory	CHEC203	Lab Activities on CHEC201	P	2	10	25	10	25	20	50
24	Minor	XXXM201	To be Selected from Minor Courses List other than Major (DSC)**	T	2	6	15	14	35	20	50

SN	Course Category	Code	Course Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
25	Minor	XXXM202	To be Selected from Minor Courses List other than Major (DSC)**	P	2	10	25	10	25	20	50
26	OE	XXXE201	Select from other faculty OE courses List***	T	2	6	15	14	35	20	50
27	VSC	CHEV201	Introduction to Medicinal Chemistry	P	2	10	25	10	25	20	50
28	AEC	AECL201	आधुनिक मराठी भाषा अभ्यास – I	T	2	6	15	14	35	20	50
29	FP	CHEF204	Field Project	TW	2	20	50	-	-	20	50
Select Any One from CCRX201 to CCRX206											
30	CC	CCRX201	Health and Wellness-III	TW	2	20	50	-	-	20	50
		CCRX202	Yoga Education-III	TW	2	20	50	-	-	20	50
		CCRX203	Sports and Fitness-III	TW	2	20	50	-	-	20	50
		CCRX204	Cultural Activities-III	TW	2	20	50	-	-	20	50
		CCRX205	NSS-III	TW	2	20	50	-	-	20	50
		CCRX206	Fine/Applied/Visual/Performing Arts-III	TW	2	20	50	-	-	20	50
Online non-credit Audit Course											
31	Audit Course	CSC101	Cyber Security	T	-	6	15	14	35	20	50
[Level 5.0] Semester IV: 22 Credits											
32	Major Mandatory	CHEC205	Basic Analytical Chemistry	T	4	12	30	28	70	40	100
33	Major Mandatory	CHEC206	Molecular Modelling Chemistry	T	2	6	15	14	35	20	50
34	Major Mandatory	CHEC207	Lab Activities on CHEC205 and CHEC206	P	2	10	25	10	25	20	50
35	Minor	XXXM203	To be Selected from Minor Courses List other than Major (DSC)**	T	2	6	15	14	35	20	50
36	Minor	XXXM204	To be Selected from Minor Courses List other than Major (DSC)**	P	2	10	25	10	25	20	50
37	OE	XXXE202	Select from other faculty OE courses List***	T	2	6	15	14	35	20	50
38	SEC	SECS201	Intellectual Property Rights	T	2	6	15	14	35	20	50
39	AEC	AECL202	आधुनिक मराठी भाषा अभ्यास – II	T	2	6	15	14	35	20	50
40	CEP	CHEG208	Awareness of Sustainable Development Goals-I	TW	2	20	50	-	-	20	50
Select Any One from CCRX207 to CCRX212											
41	CC	CCRX207	Health and Wellness-IV	TW	2	20	50	-	-	20	50
		CCRX208	Yoga Education-IV	TW	2	20	50	-	-	20	50
		CCRX209	Sports and Fitness-IV	TW	2	20	50	-	-	20	50
		CCRX210	Cultural Activities-IV	TW	2	20	50	-	-	20	50
		CCRX211	NSS-IV	TW	2	20	50	-	-	20	50
		CCRX212	Fine/Applied/Visual/Performing Arts-IV	TW	2	20	50	-	-	20	50
Exit option: Award of UG Diploma in the Faculty of Science-Chemistry (Level 5.0) with 88 credits and an additional 4 credits core NSQF course/ Internship OR Continue with Major and Minor											

SN	Course Category	Code	Course Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
[Level 5.5] Semester V: 22 Credits											
42	Major Mandatory	CHEC301	Physical & Inorganic Chemistry	T	4	12	30	28	70	40	100
43	Major Mandatory	CHEC302	Industrial Chemistry - I	T	2	6	15	14	35	20	50
44	Major Mandatory	CHEC303	Lab Activities on CHEC301 & CHEC302	P	4	20	50	20	50	40	100
Select Any One from CHEC304, CHEC305, CHEC306											
45	Major Elective	CHEC304	Chemistry in Everyday Life	T	4	12	30	28	70	40	100
	Major Elective	CHEC305	Biochemistry	T	4	12	30	28	70	40	100
	Major Elective	CHEC306	Co-ordination Chemistry	T	4	12	30	28	70	40	100
46	Minor	XXXM301	To be Selected from Minor Courses List other than Major (DSC)**	T	2	6	15	14	35	20	50
47	Minor	XXXM302	To be Selected from Minor Courses List other than Major (DSC)**	P	2	10	25	10	25	20	50
48	VSC	CHEV301	Chemistry of Soils and Agrochemicals	P	2	10	25	10	25	20	50
Select CHEF307 or CHEG308											
49	FP	CHEF307	Field Project	TW	2	20	50	-	-	20	50
	CEP	CHEG308	Awareness of Sustainable Development Goals-II	TW	2	20	50	-	-	20	50
[Level 5.5] Semester VI: 22 Credits											
50	Major Mandatory	CHEC309	Green Chemistry	T	4	12	30	28	70	40	100
51	Major Mandatory	CHEC310	Industrial Chemistry-II	T	2	6	15	14	35	20	50
52	Major Mandatory	CHEC311	Lab Activities on CHEC309 & CHEC310	P	4	20	50	20	50	40	100
Select Any One from CHEC312, CHEC313, CHEC314											
53	Major Elective	CHEC312	Advanced Agrochemicals, Bio-pesticides & Fertilizers	T	4	12	30	28	70	40	100
	Major Elective	CHEC313	Forensic Chemistry	T	4	12	30	28	70	40	100
	Major Elective	CHEC314	Application of Computer in Chemistry	T	4	12	30	28	70	40	100
54	Minor	XXXM303	To be Selected from Minor Courses List other than Major (DSC)**	T	2	6	15	14	35	20	50
55	Minor	XXXM304	To be Selected from Minor Courses List other than Major (DSC)**	P	2	10	25	10	25	20	50
56	OJT	CHEO315	On Job Training	TW	4	20	50	20	50	40	100
Exit option: Award of UG Degree in Chemistry (Level 5.5) with 132 credits OR Continue with Major and Minor											

SN	Course Category	Code	Course Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
[Level 6.0] Semester VII: 22 Credits											
57	Major Mandatory	CHEC401	Inorganic Chemistry-I	T	4	12	30	28	70	40	100
58	Major Mandatory	CHEC402	Physical Chemistry-I	T	4	12	30	28	70	40	100
59	Major Mandatory	CHEC403	Organic Chemistry-I	T	2	6	15	14	35	20	50
60	Major Mandatory	CHEC404	Lab Activities on CHEC401, CHEC402 & CHEC403	P	4	20	50	20	50	40	100
61	RM	RESR405	Research Methodology	T	4	12	30	28	70	40	100
Select Any One from CHEC406, CHEC407											
62	Major Elective	CHEC406	Physical Methods in Chemistry	T	4	12	30	28	70	40	100
	Major Elective	CHEC407	Polymer Chemistry	T	4	12	30	28	70	40	100
[Level 6.0] Semester VIII: 22 Credits											
63	Major Mandatory	CHEC409	Inorganic Chemistry-II	T	4	12	30	28	70	40	100
64	Major Mandatory	CHEC410	Physical Chemistry-II	T	4	12	30	28	70	40	100
65	Major Mandatory	CHEC411	Organic Chemistry-II	T	2	6	15	14	35	20	50
66	Major Mandatory	CHEC412	Lab Activities on CHEC409, CHEC410 & CHEC411	P	4	20	50	20	50	40	100
67	OJT	CHEO413	On Job Training	TW	4	20	50	20	50	40	100
Select Any One from CHEC415, CHEC416											
68	Major Elective	CHEC415	Analytical Chemistry	T	4	12	30	28	70	40	100
	Major Elective	CHEC416	Chemical Mathematics & Biostatistics	T	4	12	30	28	70	40	100
Four Year UG Honours Degree in Chemistry and Minor in xxx with 176 credits											

UGV03: B.Sc. (HONOURS) (MATHEMATICS) {2025 PATTERN}

SN	Course Category	Code	Course Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
[Level 4.5] Semester I : 22 Credits											
01	Major Mandatory	MATC101	Fundamentals of Mathematics	T	4	12	30	28	70	40	100
02	Major Mandatory	MATC102	Basics of Statistics	P	2	10	25	10	25	20	50
03	OE	XXXE101	Select from other faculty OE courses List***	T	2	6	15	14	35	20	50
04	OE	XXXE102	Select from other faculty OE courses List***	T	2	6	15	14	35	20	50
05	VSC	MATV101	Introduction to GeoGebra	TW	2	10	25	10	25	20	50
06	SEC	SECS101	Basic Instrumentation Skills	TW	2	10	25	10	25	20	50

SN	Course Category	Code	Course Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
07	AEC	AECL101	Listening and Speaking Skills in English	T	2	6	15	14	35	20	50
08	VEC	VECD101	Introduction to the Constitution of India	T	2	6	15	14	35	20	50
Select Any One from IKSK104 & IKSK105											
09	IKS	IKSK104	भारतीय ज्ञान परंपरेच्या अनुषंगाने विज्ञान आणि तंत्रज्ञान	T	2	6	15	14	35	20	50
		IKSK105	Indian Knowledge System – Generic (Offered in Online Mode) (भारतीय ज्ञान परंपरा – सामान्य)	T	2	6	15	14	35	20	50
Select Any One from CCRX101 to CCRX106											
10	CC	CCRX101	Health and Wellness-I	TW	2	20	50	-	-	20	50
		CCRX102	Yoga Education-I	TW	2	20	50	-	-	20	50
		CCRX103	Sports and Fitness-I	TW	2	20	50	-	-	20	50
		CCRX104	Cultural Activities-I	TW	2	20	50	-	-	20	50
		CCRX105	NSS-I	TW	2	20	50	-	-	20	50
		CCRX106	Fine/Applied/Visual/Performing Arts-I	TW	2	20	50	-	-	20	50
[Level 4.5] Semester II : 22 Credits											
11	Major Mandatory	MATC103	Calculus	T	4	12	30	28	70	40	100
12	Major Mandatory	MATC104	Practical Based on MATC103	P	2	10	25	10	25	20	50
13	Minor	XXXM101	To be Selected from Minor Courses List other than Major (DSC)**	T	2	6	15	14	35	20	50
14	OE	XXXE103	Select from other faculty OE courses List***	T	2	6	15	14	35	20	50
15	OE	XXXE104	Select from other faculty OE courses List***	T	2	6	15	14	35	20	50
16	VSC	MATV102	Programming in Python	TW	2	10	25	10	25	20	50
17	SEC	SECS102	MS-Excel with AI	TW	2	10	25	10	25	20	50
18	AEC	AECL102	Reading and Writing Skills in English	T	2	6	15	14	35	20	50
19	VEC	VECD102	Environmental Education	T	2	6	15	14	35	20	50
Select Any One from CCRX107 to CCRX112											
20	CC	CCRX107	Health and Wellness-II	TW	2	20	50	-	-	20	50
		CCRX108	Yoga Education-II	TW	2	20	50	-	-	20	50
		CCRX109	Sports and Fitness-II	TW	2	20	50	-	-	20	50
		CCRX110	Cultural Activities-II	TW	2	20	50	-	-	20	50
		CCRX111	NSS-II	TW	2	20	50	-	-	20	50
		CCRX112	Fine/Applied/Visual/Performing Arts-II	TW	2	20	50	-	-	20	50
Exit option: Award of UG Certificate in the Faculty of Science - Mathematics (Level 4.5) with 44 credits and an additional 4 credits core NSQF course/ Internship OR Continue with Major and Minor											
[Level 5.0] Semester III: 22 Credits											
21	Major Mandatory	MATC201	Calculus of Several Variables	T	4	12	30	28	70	40	100
22	Major Mandatory	MATC202	Ancient Indian Mathematics	T	2	6	15	14	35	20	50

SN	Course Category	Code	Course Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
23	Major Mandatory	MATC203	Coordinate Geometry	P	2	10	25	10	25	20	50
24	Minor	XXXM201	To be Selected from Minor Courses List other than Major (DSC)**	T	2	6	15	14	35	20	50
25	Minor	XXXM202	To be Selected from Minor Courses List other than Major (DSC)**	P	2	10	25	10	25	20	50
26	OE	XXXE201	Select from other faculty OE courses List***	T	2	6	15	14	35	20	50
27	VSC	MATV201	R Programming	P	2	10	25	10	25	20	50
28	AEC	AECL201	आधुनिक मराठी भाषा अभ्यास – I	T	2	6	15	14	35	20	50
29	FP	MATF204	Field Project	TW	2	20	50	-	-	20	50
Select Any One from CCRX201 to CCRX206											
30	CC	CCRX201	Health and Wellness-III	TW	2	20	50	-	-	20	50
		CCRX202	Yoga Education-III	TW	2	20	50	-	-	20	50
		CCRX203	Sports and Fitness-III	TW	2	20	50	-	-	20	50
		CCRX204	Cultural Activities-III	TW	2	20	50	-	-	20	50
		CCRX205	NSS-III	TW	2	20	50	-	-	20	50
		CCRX206	Fine/Applied/Visual/Performing Arts-III	TW	2	20	50	-	-	20	50
Online non-credit Audit Course											
31	Audit Course	CSC101	Cyber Security	T	-	6	15	14	35	20	50
[Level 5.0] Semester IV: 22 Credits											
32	Major Mandatory	MATC205	Linear Algebra	T	4	12	30	28	70	40	100
33	Major Mandatory	MATC206	Complex Variables	T	2	6	15	14	35	20	50
34	Major Mandatory	MATC207	Practical Based on MATC205 & MATC206	P	2	10	25	10	25	20	50
35	Minor	XXXM203	To be Selected from Minor Courses List other than Major (DSC)**	T	2	6	15	14	35	20	50
36	Minor	XXXM204	To be Selected from Minor Courses List other than Major (DSC)**	P	2	10	25	10	25	20	50
37	OE	XXXE202	Select from other faculty OE courses List***	T	2	6	15	14	35	20	50
38	SEC	SECS201	Intellectual Property Rights	T	2	6	15	14	35	20	50
39	AEC	AECL202	आधुनिक मराठी भाषा अभ्यास – II	T	2	6	15	14	35	20	50
40	CEP	MATG208	Awareness of Sustainable Development Goals- I	TW	2	20	50	-	-	20	50
Select Any One from CCRX207 to CCRX212											
41	CC	CCRX207	Health and Wellness-IV	TW	2	20	50	-	-	20	50
		CCRX208	Yoga Education-IV	TW	2	20	50	-	-	20	50
		CCRX209	Sports and Fitness-IV	TW	2	20	50	-	-	20	50
		CCRX210	Cultural Activities-IV	TW	2	20	50	-	-	20	50
		CCRX211	NSS-IV	TW	2	20	50	-	-	20	50
		CCRX212	Fine/Applied/Visual/Performing Arts-IV	TW	2	20	50	-	-	20	50

SN	Course Category	Code	Course Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
Exit option: Award of UG Diploma in the Faculty of Science-Mathematics (Level 5.0) with 88 credits and an additional 4 credits core NSQF course/ Internship OR Continue with Major and Minor											
[Level 5.5] Semester V: 22 Credits											
42	Major Mandatory	MATC301	Differential Equations	T	4	12	30	28	70	40	100
43	Major Mandatory	MATC302	Real Analysis	T	2	6	15	14	35	20	50
44	Major Mandatory	MATC303	Programming in MATLAB	P	4	20	50	20	50	40	100
Select Any One from MATC304, MATC305, MATC305											
45	Major Elective	MATC304	Graph Theory	T	4	12	30	28	70	40	100
	Major Elective	MATC305	Dynamical Systems	T	4	12	30	28	70	40	100
	Major Elective	MATC306	Analytical Geometry	T	4	12	30	28	70	40	100
46	Minor	XXXM301	To be Selected from Minor Courses List other than Major (DSC)**	T	2	6	15	14	35	20	50
47	Minor	XXXM302	To be Selected from Minor Courses List other than Major (DSC)**	P	2	10	25	10	25	20	50
48	VSC	MATV301	LaTeX	P	2	10	25	10	25	20	50
Select any one from MATF307 or MATG308											
49	FP	MATF307	Field Project	TW	2	20	50	-	-	20	50
	CEP	MATG308	Awareness of Sustainable Development Goals - II	TW	2	20	50	-	-	20	50
[Level 5.5] Semester VI: 22 Credits											
50	Major Mandatory	MATC309	Metric Spaces	T	4	12	30	28	70	40	100
51	Major Mandatory	MATC310	Group Theory	T	2	6	15	14	35	20	50
52	Major Mandatory	MATC311	Mathematical Modelling	P	4	20	50	20	50	40	100
Select Any One from MATC312, MATC313, MATC314											
53	Major Elective	MATC312	LPP and Game Theory	T	4	12	30	28	70	40	100
	Major Elective	MATC313	Lattice Theory & Boolean Algebra	T	4	12	30	28	70	40	100
	Major Elective	MATC314	Numerical Analysis	T	4	12	30	28	70	40	100
54	Minor	XXXM303	To be Selected from Minor Courses List other than Major (DSC)**	T	2	6	15	14	35	20	50
55	Minor	XXXM304	To be Selected from Minor Courses List other than Major (DSC)**	P	2	10	25	10	25	20	50
56	OJT	MATO315	On Job Training	TW	4	20	50	20	50	40	100

SN	Course Category	Code	Course Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
Exit option: Award of UG Degree in Mathematics (Level 5.5) with 132 credits OR Continue with Major and Minor											
[Level 6.o] Semester VII: 22 Credits											
57	Major Mandatory	MATC401	Real Analysis	T	4	12	30	28	70	40	100
58	Major Mandatory	MATC402	Abstract Algebra	T	4	12	30	28	70	40	100
59	Major Mandatory	MATC403	Ordinary Differential Equations	T	2	6	15	14	35	20	50
60	Major Mandatory	MATC404	Programming in C and Scilab	P	4	20	50	20	50	40	100
61	RM	RESR405	Research Methodology	T	4	12	30	28	70	40	100
Select any one from MATC406 or MATC407											
62	Major Elective	MATC406	Operations Research	T	4	12	30	28	70	40	100
	Major Elective	MATC407	Numerical Analysis	T	4	12	30	28	70	40	100
[Level 6.o] Semester VIII: 22 Credits											
63	Major Mandatory	MATC409	Topology	T	4	12	30	28	70	40	100
64	Major Mandatory	MATC410	Linear Algebra	T	4	12	30	28	70	40	100
65	Major Mandatory	MATC411	Partial Differential Equations	T	2	6	15	14	35	20	50
66	Major Mandatory	MATC412	LaTeX and Programming in SageMath	P	4	20	50	20	50	40	100
67	OJT	MATO413	On Job Training	TW	4	20	50	20	50	40	100
Select any one from MATC415 or MATC416											
68	Major Elective	MATC415	Number Theory	T	4	12	30	28	70	40	100
	Major Elective	MATC416	Field Theory	T	4	12	30	28	70	40	100
Four Year UG Honours Degree in Mathematics and Minor in xxx with 176 credits											

UGVo4: B.Sc. (HONOURS) (BOTANY) {2025 PATTERN}

SN	Course Category	Code	Course Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
[Level 4.5] Semester I : 22 Credits											
01	Major Mandatory	BOTC101	Evolution & Diversity of Algae, Fungi & Bryophytes	T	4	12	30	28	70	40	100
02	Major Mandatory	BOTC102	Lab Activities on BOTC101	P	2	10	25	10	25	20	50
03	OE	XXXE101	Select from other faculty OE courses List***	T	2	6	15	14	35	20	50
04	OE	XXXE102	Select from other faculty OE courses List***	T	2	6	15	14	35	20	50

SN	Course Category	Code	Course Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
05	VSC	BOTV101	Precision Agriculture	TW	2	10	25	10	25	20	50
06	SEC	SECS101	Basic Instrumentation Skills	TW	2	10	25	10	25	20	50
07	AEC	AECL101	Listening and Speaking Skills in English	T	2	6	15	14	35	20	50
08	VEC	VECD101	Introduction to the Constitution of India	T	2	6	15	14	35	20	50
Select Any One from IKSK104 & IKSK105											
09	IKS	IKSK104	भारतीय ज्ञान परंपरेच्या अनुषंगाने विज्ञान आणि तंत्रज्ञान	T	2	6	15	14	35	20	50
		IKSK105	Indian Knowledge System – Generic (Offered in Online Mode) (भारतीय ज्ञान परंपरा – सामान्य)	T	2	6	15	14	35	20	50
Select Any One from CCRX101 to CCRX106											
10	CC	CCRX101	Health and Wellness-I	TW	2	20	50	-	-	20	50
		CCRX102	Yoga Education-I	TW	2	20	50	-	-	20	50
		CCRX103	Sports and Fitness-I	TW	2	20	50	-	-	20	50
		CCRX104	Cultural Activities-I	TW	2	20	50	-	-	20	50
		CCRX105	NSS-I	TW	2	20	50	-	-	20	50
		CCRX106	Fine/Applied/Visual/Performing Arts-I	TW	2	20	50	-	-	20	50
[Level 4.5] Semester II : 22 Credits											
11	Major Mandatory	BOTC103	Evolution & Diversity of Pteridophytes & Gymnosperms	T	4	12	30	28	70	40	100
12	Major Mandatory	BOTC104	Lab Activities on BOTC103	P	2	10	25	10	25	20	50
13	Minor	XXXM101	To be Selected from Minor Courses List other than Major (DSC)**	T	2	6	15	14	35	20	50
14	OE	XXXE103	Select from other faculty OE courses List***	T	2	6	15	14	35	20	50
15	OE	XXXE104	Select from other faculty OE courses List***	T	2	6	15	14	35	20	50
16	VSC	BOTV102	Food Processing	TW	2	10	25	10	25	20	50
17	SEC	SECS102	MS-Excel with AI	TW	2	10	25	10	25	20	50
18	AEC	AECL102	Reading and Writing Skills in English	T	2	6	15	14	35	20	50
19	VEC	VECD102	Environmental Education	T	2	6	15	14	35	20	50
Select Any One from CCRX107 to CCRX112											
20	CC	CCRX107	Health and Wellness-II	TW	2	20	50	-	-	20	50
		CCRX108	Yoga Education-II	TW	2	20	50	-	-	20	50
		CCRX109	Sports and Fitness-II	TW	2	20	50	-	-	20	50
		CCRX110	Cultural Activities-II	TW	2	20	50	-	-	20	50
		CCRX111	NSS-II	TW	2	20	50	-	-	20	50
		CCRX112	Fine/Applied/Visual/Performing Arts-II	TW	2	20	50	-	-	20	50
Exit option: Award of UG Certificate in the Faculty of Science - Botany (Level 4.5) with 44 credits and an additional 4 credits core NSQF course/ Internship OR Continue with Major and Minor											
[Level 5.0] Semester III: 22 Credits											

SN	Course Category	Code	Course Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
21	Major Mandatory	BOTC201	Angiosperm Morphology, Taxonomy & Diversity	T	4	12	30	28	70	40	100
22	Major Mandatory	BOTC202	Indian Ancient Botany	T	2	6	15	14	35	20	50
23	Major Mandatory	BOTC203	Lab Activities on BOTC201	P	2	10	25	10	25	20	50
24	Minor	XXXM201	To be Selected from Minor Courses List other than Major (DSC)**	T	2	6	15	14	35	20	50
25	Minor	XXXM202	To be Selected from Minor Courses List other than Major (DSC)**	P	2	10	25	10	25	20	50
26	OE	XXXE201	Select from other faculty OE courses List***	T	2	6	15	14	35	20	50
27	VSC	BOTV201	GI tagging in Indian Agriculture	P	2	10	25	10	25	20	50
28	AEC	AECL201	आधुनिक मराठी भाषा अभ्यास – I	T	2	6	15	14	35	20	50
29	FP	BOTF204	Field Project	TW	2	20	50	-	-	20	50
Select Any One from CCRX201 to CCRX206											
30	CC	CCRX201	Health and Wellness-III	TW	2	20	50	-	-	20	50
		CCRX202	Yoga Education-III	TW	2	20	50	-	-	20	50
		CCRX203	Sports and Fitness-III	TW	2	20	50	-	-	20	50
		CCRX204	Cultural Activities-III	TW	2	20	50	-	-	20	50
		CCRX205	NSS-III	TW	2	20	50	-	-	20	50
		CCRX206	Fine/Applied/Visual/Performing Arts-III	TW	2	20	50	-	-	20	50
Online non-credit Audit Course											
31	Audit Course	CSC101	Cyber Security	T	-	6	15	14	35	20	50
[Level 5.0] Semester IV: 22 Credits											
32	Major Mandatory	BOTC205	Plant Physiology & Metabolism	T	4	12	30	28	70	40	100
33	Major Mandatory	BOTC206	Forestry	T	2	6	15	14	35	20	50
34	Major Mandatory	BOTC207	Lab Activities on BOTC205	P	2	10	25	10	25	20	50
35	Minor	XXXM203	To be Selected from Minor Courses List other than Major (DSC)**	T	2	6	15	14	35	20	50
36	Minor	XXXM204	To be Selected from Minor Courses List other than Major (DSC)**	P	2	10	25	10	25	20	50
37	OE	XXXE202	Select from other faculty OE courses List***	T	2	6	15	14	35	20	50
38	SEC	SECS201	Intellectual Property Rights	T	2	6	15	14	35	20	50
39	AEC	AECL202	आधुनिक मराठी भाषा अभ्यास – II	T	2	6	15	14	35	20	50
40	CEP	BOTG208	Awareness of Sustainable Development Goals -I	TW	2	20	50	-	-	20	50
Select Any One from CCRX207 to CCRX212											
41	CC	CCRX207	Health and Wellness-IV	TW	2	20	50	-	-	20	50
		CCRX208	Yoga Education-IV	TW	2	20	50	-	-	20	50
		CCRX209	Sports and Fitness-IV	TW	2	20	50	-	-	20	50

SN	Course Category	Code	Course Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
		CCRX210	Cultural Activities-IV	TW	2	20	50	-	-	20	50
		CCRX211	NSS-IV	TW	2	20	50	-	-	20	50
		CCRX212	Fine/Applied/Visual/Performing Arts-IV	TW	2	20	50	-	-	20	50
Exit option: Award of UG Diploma in the Faculty of Science-Botany (Level 5.0) with 88 credits and an additional 4 credits core NSQF course/ Internship OR Continue with Major and Minor											
[Level 5.5] Semester V: 22 Credits											
42	Major Mandatory	BOTC301	Cell Biology & Genetics	T	4	12	30	28	70	40	100
43	Major Mandatory	BOTC302	Industrial Botany	T	2	6	15	14	35	20	50
44	Major Mandatory	BOTC303	Lab Activities on BOTC301	P	4	20	50	20	50	40	100
Select Any One from BOTC304, BOTC305, BOTC306											
45	Major Elective	BOTC304	Industrial & Environmental Microbiology	T	4	12	30	28	70	40	100
	Major Elective	BOTC305	Bioinformatics	T	4	12	30	28	70	40	100
	Major Elective	BOTC306	Fermentation Technology	T	4	12	30	28	70	40	100
46	Minor	XXXM301	To be Selected from Minor Courses List other than Major (DSC)**	T	2	6	15	14	35	20	50
47	Minor	XXXM302	To be Selected from Minor Courses List other than Major (DSC)**	P	2	10	25	10	25	20	50
48	VSC	BOTV301	Basics of Plant Tissue Culture	P	2	10	25	10	25	20	50
Select BOTF307 or BOTG308											
49	FP	BOTF307	Field Project	TW	2	20	50	-	-	20	50
	CEP	BOTG308	Awareness of Sustainable Development Goals -II	TW	2	20	50	-	-	20	50
[Level 5.5] Semester VI: 22 Credits											
50	Major Mandatory	BOTC309	Analytical Techniques in Plant Science & Horticulture	T	4	12	30	28	70	40	100
51	Major Mandatory	BOTC310	Stress Biology	T	2	6	15	14	35	20	50
52	Major Mandatory	BOTC311	Lab Activities on BOTC309	P	4	20	50	20	50	40	100
Select Any One from BOTC312, BOTC313, BOTC314											
53	Major Elective	BOTC312	Economic Botany	T	4	12	30	28	70	40	100
	Major Elective	BOTC313	Organic Farming	T	4	12	30	28	70	40	100
	Major Elective	BOTC314	Agro Tourism	T	4	12	30	28	70	40	100
54	Minor	XXXM303	To be Selected from Minor Courses List other than Major (DSC)**	T	2	6	15	14	35	20	50

SN	Course Category	Code	Course Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
55	Minor	XXXM304	To be Selected from Minor Courses List other than Major (DSC)**	P	2	10	25	10	25	20	50
56	OJT	BOTO315	On Job Training	TW	4	20	50	20	50	40	100
Exit option: Award of UG Degree in Botany (Level 5.5) with 132 credits OR Continue with Major and Minor											
[Level 6.0] Semester VII: 22 Credits											
57	Major Mandatory	BOTC401	Diversity of Non-Vascular Plants-I	T	4	12	30	28	70	40	100
58	Major Mandatory	BOTC402	Diversity of Non-Vascular Plants-II	T	4	12	30	28	70	40	100
59	Major Mandatory	BOTC403	Diversity of Vascular Plants & Paleobotany-I	T	2	6	15	14	35	20	50
60	Major Mandatory	BOTC404	Lab Activities on BOTC401, BOTC402 & BOTC403	P	4	20	50	20	50	40	100
61	RM	RESR405	Research Methodology	T	4	12	30	28	70	40	100
Select Any One from BOTC406, BOTC407											
62	Major Elective	BOTC406	Applied Phycology	T	4	12	30	28	70	40	100
	Major Elective	BOTC407	Tools and Techniques in Plant Science	T	4	12	30	28	70	40	100
[Level 6.0] Semester VIII: 22 Credits											
63	Major Mandatory	BOTC409	Plant Physiology	T	4	12	30	28	70	40	100
64	Major Mandatory	BOTC410	Herbal Wealth	T	4	12	30	28	70	40	100
65	Major Mandatory	BOTC411	Diversity of Vascular Plants and Paleobotany-II	T	2	6	15	14	35	20	50
66	Major Mandatory	BOTC412	Lab Activities on BOTC409, BOTC410 & BOTC411	P	4	20	50	20	50	40	100
67	OJT	BOTO413	On Job Training	TW	4	20	50	20	50	40	100
Select Any One from BOTC415, BOTC416											
68	Major Elective	BOTC415	Biotechnology & Molecular Biology	T	4	12	30	28	70	40	100
	Major Elective	BOTC416	Ecology & Phytogeography	T	4	12	30	28	70	40	100
Four Year UG Honours Degree in Botany and Minor in xxx with 176 credits											

UGV05: B.Sc. (HONOURS) (ZOOLOGY) {2025 PATTERN}

SN	Course Category	Code	Course Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
[Level 4.5] Semester I : 22 Credits											
01	Major Mandatory	ZOOC101	Animal Diversity	T	4	12	30	28	70	40	100

SN	Course Category	Code	Course Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
02	Major Mandatory	ZOOC102	Lab Activities on ZOOC101	P	2	10	25	10	25	20	50
03	OE	XXXE101	Select from other faculty OE courses List***	T	2	6	15	14	35	20	50
04	OE	XXXE102	Select from other faculty OE courses List***	T	2	6	15	14	35	20	50
05	VSC	ZOOV101	Vermiculture Management	TW	2	10	25	10	25	20	50
06	SEC	SECS101	Basic Instrumentation Skills	TW	2	10	25	10	25	20	50
07	AEC	AECL101	Listening and Speaking Skills in English	T	2	6	15	14	35	20	50
08	VEC	VECD101	Introduction to the Constitution of India	T	2	6	15	14	35	20	50
Select Any One from IKSK104 & IKSK105											
09	IKS	IKSK104	भारतीय ज्ञान परंपरेच्या अनुषंगाने विज्ञान आणि तंत्रज्ञान	T	2	6	15	14	35	20	50
		IKSK105	Indian Knowledge System – Generic (Offered in Online Mode) (भारतीय ज्ञान परंपरा – सामान्य)	T	2	6	15	14	35	20	50
Select Any One from CCRX101 to CCRX106											
10	CC	CCRX101	Health and Wellness-I	TW	2	20	50	-	-	20	50
		CCRX102	Yoga Education-I	TW	2	20	50	-	-	20	50
		CCRX103	Sports and Fitness-I	TW	2	20	50	-	-	20	50
		CCRX104	Cultural Activities-I	TW	2	20	50	-	-	20	50
		CCRX105	NSS-I	TW	2	20	50	-	-	20	50
		CCRX106	Fine/Applied/Visual/Performing Arts-I	TW	2	20	50	-	-	20	50
[Level 4.5] Semester II : 22 Credits											
11	Major Mandatory	ZOOC103	Comparative Anatomy & Developmental Biology of Vertebrates	T	4	12	30	28	70	40	100
12	Major Mandatory	ZOOC104	Lab Activities on ZOOC103	P	2	10	25	10	25	20	50
13	Minor	XXXM101	To be Selected from Minor Courses List other than Major (DSC)**	T	2	6	15	14	35	20	50
14	OE	XXXE103	Select from other faculty OE courses List***	T	2	6	15	14	35	20	50
15	OE	XXXE104	Select from other faculty OE courses List***	T	2	6	15	14	35	20	50
16	VSC	ZOOV102	Medical Laboratory Techniques	TW	2	10	25	10	25	20	50
17	SEC	SECS102	MS-Excel with AI	TW	2	10	25	10	25	20	50
18	AEC	AECL102	Reading and Writing Skills in English	T	2	6	15	14	35	20	50
19	VEC	VECD102	Environmental Education	T	2	6	15	14	35	20	50
Select Any One from CCRX107 to CCRX112											
20	CC	CCRX107	Health and Wellness-II	TW	2	20	50	-	-	20	50
		CCRX108	Yoga Education-II	TW	2	20	50	-	-	20	50
		CCRX109	Sports and Fitness-II	TW	2	20	50	-	-	20	50
		CCRX110	Cultural Activities-II	TW	2	20	50	-	-	20	50
		CCRX111	NSS-II	TW	2	20	50	-	-	20	50
		CCRX112	Fine/Applied/Visual/Performing Arts-II	TW	2	20	50	-	-	20	50

SN	Course Category	Code	Course Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
Exit option: Award of UG Certificate in the Faculty of Science - Zoology (Level 4.5) with 44 credits and an additional 4 credits core NSQF course/ Internship OR Continue with Major and Minor											
[Level 5.0] Semester III: 22 Credits											
21	Major Mandatory	ZOOC201	Animal Physiology & Ecology	T	4	12	30	28	70	40	100
22	Major Mandatory	ZOOC202	Biology in Ayurveda	T	2	6	15	14	35	20	50
23	Major Mandatory	ZOOC203	Lab Activities on ZOOC201	P	2	10	25	10	25	20	50
24	Minor	XXXM201	To be Selected from Minor Courses List other than Major (DSC)**	T	2	6	15	14	35	20	50
25	Minor	XXXM202	To be Selected from Minor Courses List other than Major (DSC)**	P	2	10	25	10	25	20	50
26	OE	XXXE201	Select from other faculty OE courses List***	T	2	6	15	14	35	20	50
27	VSC	ZOOV201	Apiculture	P	2	10	25	10	25	20	50
28	AEC	AECL201	आधुनिक मराठी भाषा अभ्यास – I	T	2	6	15	14	35	20	50
29	FP	ZOOF204	Field Project	TW	2	20	50	-	-	20	50
Select Any One from CCRX201 to CCRX206											
30	CC	CCRX201	Health and Wellness-III	TW	2	20	50	-	-	20	50
		CCRX202	Yoga Education-III	TW	2	20	50	-	-	20	50
		CCRX203	Sports and Fitness-III	TW	2	20	50	-	-	20	50
		CCRX204	Cultural Activities-III	TW	2	20	50	-	-	20	50
		CCRX205	NSS-III	TW	2	20	50	-	-	20	50
		CCRX206	Fine/Applied/Visual/Performing Arts-III	TW	2	20	50	-	-	20	50
Online non-credit Audit Course											
31	Audit Course	CSC101	Cyber Security	T	-	6	15	14	35	20	50
[Level 5.0] Semester IV: 22 Credits											
32	Major Mandatory	ZOOC205	Genetics & Evolutionary Biology	T	4	12	30	28	70	40	100
33	Major Mandatory	ZOOC206	Microbiology	T	2	6	15	14	35	20	50
34	Major Mandatory	ZOOC207	Lab Activities on ZOOC205	P	2	10	25	10	25	20	50
35	Minor	XXXM203	To be Selected from Minor Courses List other than Major (DSC)**	T	2	6	15	14	35	20	50
36	Minor	XXXM204	To be Selected from Minor Courses List other than Major (DSC)**	P	2	10	25	10	25	20	50
37	OE	XXXE202	Select from other faculty OE courses List***	T	2	6	15	14	35	20	50
38	SEC	SECS201	Intellectual Property Rights	T	2	6	15	14	35	20	50
39	AEC	AECL202	आधुनिक मराठी भाषा अभ्यास – II	T	2	6	15	14	35	20	50
40	CEP	ZOOG208	Awareness of Sustainable Development Goals-I	TW	2	20	50	-	-	20	50
Select Any One from CCRX207 to CCRX212											

SN	Course Category	Code	Course Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
41	CC	CCR207	Health and Wellness-IV	TW	2	20	50	-	-	20	50
		CCR208	Yoga Education-IV	TW	2	20	50	-	-	20	50
		CCR209	Sports and Fitness-IV	TW	2	20	50	-	-	20	50
		CCR210	Cultural Activities-IV	TW	2	20	50	-	-	20	50
		CCR211	NSS-IV	TW	2	20	50	-	-	20	50
		CCR212	Fine/Applied/Visual/Performing Arts-IV	TW	2	20	50	-	-	20	50
Exit option: Award of UG Diploma in the Faculty of Science-Zoology (Level 5.0) with 88 credits and an additional 4 credits core NSQF course/ Internship OR Continue with Major and Minor											
[Level 5.5] Semester V: 22 Credits											
42	Major Mandatory	ZOOC301	Mammalian Histology	T	4	12	30	28	70	40	100
43	Major Mandatory	ZOOC302	Marine Ecology	T	2	6	15	14	35	20	50
44	Major Mandatory	ZOOC303	Lab Activities on ZOOC301	P	4	20	50	20	50	40	100
Select Any One from ZOOC304, ZOOC305, ZOOC306											
45	Major Elective	ZOOC304	Techniques in Medical Forensic Zoology	T	4	12	30	28	70	40	100
	Major Elective	ZOOC305	Apiculture & Sericulture	T	4	12	30	28	70	40	100
	Major Elective	ZOOC306	Wildlife Conservation	T	4	12	30	28	70	40	100
46	Minor	XXXM301	To be Selected from Minor Courses List other than Major (DSC)**	T	2	6	15	14	35	20	50
47	Minor	XXXM302	To be Selected from Minor Courses List other than Major (DSC)**	P	2	10	25	10	25	20	50
48	VSC	ZOOV301	Aquarium Management	P	2	10	25	10	25	20	50
Select ZOOF307 or ZOOG308											
49	FP	ZOOF307	Field Project	TW	2	20	50	-	-	20	50
	CEP	ZOOG308	Awareness of Sustainable Development Goals-II	TW	2	20	50	-	-	20	50
[Level 5.5] Semester VI: 22 Credits											
50	Major Mandatory	ZOOC309	Pest Management & Parasitology	T	4	12	30	28	70	40	100
51	Major Mandatory	ZOOC310	Welfare & Behaviour of Domesticated Animals	T	2	6	15	14	35	20	50
52	Major Mandatory	ZOOC311	Lab Activities on ZOOC309	P	4	20	50	20	50	40	100
Select Any One from ZOOC312, ZOOC313, ZOOC314											
53	Major Elective	ZOOC312	Aquarium & Poultry Management	T	4	12	30	28	70	40	100
	Major Elective	ZOOC313	Economic Zoology	T	4	12	30	28	70	40	100

SN	Course Category	Code	Course Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
	Major Elective	ZOOC314	Biostatistics & Bioinformatics	T	4	12	30	28	70	40	100
54	Minor	XXXM303	To be Selected from Minor Courses List other than Major (DSC)**	T	2	6	15	14	35	20	50
55	Minor	XXXM304	To be Selected from Minor Courses List other than Major (DSC)**	P	2	10	25	10	25	20	50
56	OJT	ZOOO315	On Job Training	TW	4	20	50	20	50	40	100
Exit option: Award of UG Degree in Zoology (Level 5.5) with 132 credits OR Continue with Major and Minor											
[Level 6.0] Semester VII: 22 Credits											
57	Major Mandatory	ZOOC401	Biochemistry	T	4	12	30	28	70	40	100
58	Major Mandatory	ZOOC402	Cell Biology	T	4	12	30	28	70	40	100
59	Major Mandatory	ZOOC403	Applied Zoology Part-I	T	2	6	15	14	35	20	50
60	Major Mandatory	ZOOC404	Lab on Biochemistry, Cell Biology & Applied Zoology Part-I	P	4	20	50	20	50	40	100
61	RM	RESR405	Research Methodology	T	4	12	30	28	70	40	100
Select Any One from ZOOC406, ZOOC407											
62	Major Elective	ZOOC406	Developmental Biology	T	4	12	30	28	70	40	100
	Major Elective	ZOOC407	Entomology	T	4	12	30	28	70	40	100
[Level 6.0] Semester VIII: 22 Credits											
63	Major Mandatory	ZOOC409	Molecular Biology	T	4	12	30	28	70	40	100
64	Major Mandatory	ZOOC410	Genetics	T	4	12	30	28	70	40	100
65	Major Mandatory	ZOOC411	Applied Zoology Part-II	T	2	6	15	14	35	20	50
66	Major Mandatory	ZOOC412	Lab on Molecular Biology, Genetics & Applied Zoology Part-II	P	4	20	50	20	50	40	100
67	OJT	ZOOO413	On Job Training	TW	4	20	50	20	50	40	100
Select Any One from ZOOC415, ZOOC416											
68	Major Elective	ZOOC415	Animal Biotechnology	T	4	12	30	28	70	40	100
	Major Elective	ZOOC416	Toxicology	T	4	12	30	28	70	40	100
Four Year UG Honours Degree in Zoology and Minor in xxx with 176 credits											

UGV06: B.Sc. (HONOURS) (ENVIRONMENTAL SCIENCE) {2025 PATTERN}

SN	Course Category	Code	Course Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
[Level 4.5] Semester I : 22 Credits											
01	Major Mandatory	EVSC101	Ecology and Ecosystem	T	4	12	30	28	70	40	100
02	Major Mandatory	EVSC102	Lab Activities on EVSC101	P	2	10	25	10	25	20	50
03	OE	XXXE101	Select from other faculty OE courses List***	T	2	6	15	14	35	20	50
04	OE	XXXE102	Select from other faculty OE courses List***	T	2	6	15	14	35	20	50
05	VSC	EVSV101	Environmental Microbiology	TW	2	10	25	10	25	20	50
06	SEC	SECS101	Basic Instrumentation Skills	TW	2	10	25	10	25	20	50
07	AEC	AECL101	Listening and Speaking Skills in English	T	2	6	15	14	35	20	50
08	VEC	VECD101	Introduction to the Constitution of India	T	2	6	15	14	35	20	50
Select Any One from IKSK104 & IKSK105											
09	IKS	IKSK104	भारतीय ज्ञान परंपरेच्या अनुषंगाने विज्ञान आणि तंत्रज्ञान	T	2	6	15	14	35	20	50
		IKSK105	Indian Knowledge System – Generic (Offered in Online Mode) (भारतीय ज्ञान परंपरा – सामान्य)	T	2	6	15	14	35	20	50
Select Any One from CCRX101 to CCRX106											
10	CC	CCRX101	Health and Wellness-I	TW	2	20	50	-	-	20	50
		CCRX102	Yoga Education-I	TW	2	20	50	-	-	20	50
		CCRX103	Sports and Fitness-I	TW	2	20	50	-	-	20	50
		CCRX104	Cultural Activities-I	TW	2	20	50	-	-	20	50
		CCRX105	NSS-I	TW	2	20	50	-	-	20	50
		CCRX106	Fine/Applied/Visual/Performing Arts-I	TW	2	20	50	-	-	20	50
[Level 4.5] Semester II : 22 Credits											
11	Major Mandatory	EVSC103	Environmental Chemistry & Physics	T	4	12	30	28	70	40	100
12	Major Mandatory	EVSC104	Lab Activities on EVSC103	P	2	10	25	10	25	20	50
13	Minor	XXXM101	To be Selected from Minor Courses List other than Major (DSC)**	T	2	6	15	14	35	20	50
14	OE	XXXE103	Select from other faculty OE courses List***	T	2	6	15	14	35	20	50
15	OE	XXXE104	Select from other faculty OE courses List***	T	2	6	15	14	35	20	50
16	VSC	EVSV102	Basics of Environmental Audit	TW	2	10	25	10	25	20	50
17	SEC	SECS102	MS-Excel with AI	TW	2	10	25	10	25	20	50
18	AEC	AECL102	Reading and Writing Skills in English	T	2	6	15	14	35	20	50
19	VEC	VECD102	Environmental Education	T	2	6	15	14	35	20	50
Select Any One from CCRX107 to CCRX112											
20	CC	CCRX107	Health and Wellness-II	TW	2	20	50	-	-	20	50
		CCRX108	Yoga Education-II	TW	2	20	50	-	-	20	50
		CCRX109	Sports and Fitness-II	TW	2	20	50	-	-	20	50

SN	Course Category	Code	Course Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
		CCR110	Cultural Activities-II	TW	2	20	50	-	-	20	50
		CCR111	NSS-II	TW	2	20	50	-	-	20	50
		CCR112	Fine/Applied/Visual/Performing Arts-II	TW	2	20	50	-	-	20	50
Exit option: Award of UG Certificate in the Faculty of Science – Environmental Science (Level 4.5) with 44 credits and an additional 4 credits core NSQF course/ Internship OR Continue with Major and Minor											
[Level 5.0] Semester III: 22 Credits											
21	Major Mandatory	EVSC201	Biodiversity Conservation	T	4	12	30	28	70	40	100
22	Major Mandatory	EVSC202	Environment: Indian Culture & Traditions	T	2	6	15	14	35	20	50
23	Major Mandatory	EVSC203	Lab Activities on EVSC201	P	2	10	25	10	25	20	50
24	Minor	XXXM201	To be Selected from Minor Courses List other than Major (DSC)**	T	2	6	15	14	35	20	50
25	Minor	XXXM202	To be Selected from Minor Courses List other than Major (DSC)**	P	2	10	25	10	25	20	50
26	OE	XXXE201	Select from other faculty OE courses List***	T	2	6	15	14	35	20	50
27	VSC	EVS201	Soil Health Management	P	2	10	25	10	25	20	50
28	AEC	AECL201	आधुनिक मराठी भाषा अभ्यास – I	T	2	6	15	14	35	20	50
29	FP	EVSF204	Field Project	TW	2	20	50	-	-	20	50
Select Any One from CCRX201 to CCRX206											
30	CC	CCR201	Health and Wellness-III	TW	2	20	50	-	-	20	50
		CCR202	Yoga Education-III	TW	2	20	50	-	-	20	50
		CCR203	Sports and Fitness-III	TW	2	20	50	-	-	20	50
		CCR204	Cultural Activities-III	TW	2	20	50	-	-	20	50
		CCR205	NSS-III	TW	2	20	50	-	-	20	50
		CCR206	Fine/Applied/Visual/Performing Arts-III	TW	2	20	50	-	-	20	50
Online non-credit Audit Course											
31	Audit Course	CSC101	Cyber Security	T	-	6	15	14	35	20	50
[Level 5.0] Semester IV: 22 Credits											
32	Major Mandatory	EVSC205	Pollution Control Technologies	T	4	12	30	28	70	40	100
33	Major Mandatory	EVSC206	Natural Resource Management	T	2	6	15	14	35	20	50
34	Major Mandatory	EVSC207	Lab Activities on EVSC205	P	2	10	25	10	25	20	50
35	Minor	XXXM203	To be Selected from Minor Courses List other than Major (DSC)**	T	2	6	15	14	35	20	50
36	Minor	XXXM204	To be Selected from Minor Courses List other than Major (DSC)**	P	2	10	25	10	25	20	50
37	OE	XXXE202	Select from other faculty OE courses List***	T	2	6	15	14	35	20	50
38	SEC	SECS201	Intellectual Property Rights	T	2	6	15	14	35	20	50

SN	Course Category	Code	Course Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
39	AEC	AECL202	आधुनिक मराठी भाषा अभ्यास – II	T	2	6	15	14	35	20	50
40	CEP	EVSG208	Awareness of Sustainable Development Goals-I	TW	2	20	50	-	-	20	50
Select Any One from CCRX207 to CCRX212											
41	CC	CCRX207	Health and Wellness-IV	TW	2	20	50	-	-	20	50
		CCRX208	Yoga Education-IV	TW	2	20	50	-	-	20	50
		CCRX209	Sports and Fitness-IV	TW	2	20	50	-	-	20	50
		CCRX210	Cultural Activities-IV	TW	2	20	50	-	-	20	50
		CCRX211	NSS-IV	TW	2	20	50	-	-	20	50
		CCRX212	Fine/Applied/Visual/Performing Arts-IV	TW	2	20	50	-	-	20	50
Exit option: Award of UG Diploma in the Faculty of Science-Environmental Science (Level 5.0) with 88 credits and an additional 4 credits core NSQF course/ Internship OR Continue with Major and Minor											
[Level 5.5] Semester V: 22 Credits											
42	Major Mandatory	EVSC301	Environment Legislation & Audit	T	4	12	30	28	70	40	100
43	Major Mandatory	EVSC302	Environment Impact Assessment	T	2	6	15	14	35	20	50
44	Major Mandatory	EVSC303	Lab Activities on EVSC301, EVSC302 & Electives	P	4	20	50	20	50	40	100
Select Any One from EVSC304, EVSC305, EVSC306											
45	Major Elective	EVSC304	Environmental Geosciences	T	4	12	30	28	70	40	100
	Major Elective	EVSC305	Alternate Energy Resources	T	4	12	30	28	70	40	100
	Major Elective	EVSC306	Urban Ecosystem & Sustainable Development	T	4	12	30	28	70	40	100
46	Minor	XXXM301	To be Selected from Minor Courses List other than Major (DSC)**	T	2	6	15	14	35	20	50
47	Minor	XXXM302	To be Selected from Minor Courses List other than Major (DSC)**	P	2	10	25	10	25	20	50
48	VSC	EVSV301	Basics of EMS	P	2	10	25	10	25	20	50
Select EVSF307 or EVSG308											
49	FP	EVSF307	Field Project	TW	2	20	50	-	-	20	50
	CEP	EVSG308	Awareness of Sustainable Development Goals –II	TW	2	20	50	-	-	20	50
[Level 5.5] Semester VI: 22 Credits											
50	Major Mandatory	EVSC309	Remote Sensing & GIS	T	4	12	30	28	70	40	100
51	Major Mandatory	EVSC310	Environmental Biotechnology	T	2	6	15	14	35	20	50
52	Major Mandatory	EVSC311	Lab Activities on EVSC309, EVSC310 & Electives	P	4	20	50	20	50	40	100
Select Any One from EVSC312, EVSC313, EVSC314											

SN	Course Category	Code	Course Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
53	Major Elective	EVSC312	Atmospheric Sciences	T	4	12	30	28	70	40	100
	Major Elective	EVSC313	Environmental Statistics	T	4	12	30	28	70	40	100
	Major Elective	EVSC314	Environmental Health, Toxicology & Safety	T	4	12	30	28	70	40	100
54	Minor	XXXM303	To be Selected from Minor Courses List other than Major (DSC)**	T	2	6	15	14	35	20	50
55	Minor	XXXM304	To be Selected from Minor Courses List other than Major (DSC)**	P	2	10	25	10	25	20	50
56	OJT	EVSO315	On Job Training	TW	4	20	50	20	50	40	100
Exit option: Award of UG Degree in Environmental Science (Level 5.5) with 132 credits OR Continue with Major and Minor											
[Level 6.0] Semester VII: 22 Credits											
57	Major Mandatory	EVSC401	Environmental Science and Environmental Biology	T	4	12	30	28	70	40	100
58	Major Mandatory	EVSC402	Natural Resources and Their Conservation	T	4	12	30	28	70	40	100
59	Major Mandatory	EVSC403	Biodiversity and Conservation	T	2	6	15	14	35	20	50
60	Major Mandatory	EVSC404	Lab Activities on EVSC401, EVSC402 & EVSC403	P	4	20	50	20	50	40	100
61	RM	RESR405	Research Methodology	T	4	12	30	28	70	40	100
Select Any One from EVSC406, EVSC407											
62	Major Elective	EVSC406	Environmental Education, Policies & Legislation	T	4	12	30	28	70	40	100
	Major Elective	EVSC407	Management of Water Resources	T	4	12	30	28	70	40	100
[Level 6.0] Semester VIII: 22 Credits											
63	Major Mandatory	EVSC409	Environmental Chemistry	T	4	12	30	28	70	40	100
64	Major Mandatory	EVSC410	Environmental Geosciences & Computer Applications	T	4	12	30	28	70	40	100
65	Major Mandatory	EVSC411	Herbal Wealth	T	2	6	15	14	35	20	50
66	Major Mandatory	EVSC412	Lab Activities on EVSC409 & EVSC410	P	4	20	50	20	50	40	100
67	OJT	EVSO413	On Job Training	TW	4	20	50	20	50	40	100
Select Any One from EVSC415, EVSC416											
68	Major Elective	EVSC415	Environmental Sustainability	T	4	12	30	28	70	40	100
	Major Elective	EVSC416	Solid & Hazardous Waste Management	T	4	12	30	28	70	40	100
Four Year UG Honours Degree in Environmental Science and Minor in xxx with 176 credits											

PROGRAMME STRUCTURE FOR MINOR COURSES OFFERED FROM SCHOOL OF SCIENCES

** Learners who have selected **major** shall choose **minor courses** from the following disciplines other than Major:

SN	Major in:	Minor in (Anyone of the following other than Major):
1	Physics	Chemistry, Mathematics, Botany, Zoology, Environmental Science
2	Chemistry	Physics, Mathematics, Botany, Zoology, Environmental Science
3	Mathematics	Physics, Chemistry, Botany, Zoology, Environmental Science
4	Botany	Physics, Chemistry, Mathematics, Zoology, Environmental Science
5	Zoology	Physics, Chemistry, Mathematics, Botany, Environmental Science
6	Environmental Science	Physics, Chemistry, Mathematics, Botany, Zoology

1. PROGRAMME STRUCTURE FOR MINOR COURSES OFFERED IN PHYSICS DISCIPLINE

For example, here Science is faculty and Physics is discipline. These **minor courses** may be selected by learners who have **not** selected Physics as Major

SN	Course	Code	Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
Semester II											
01	Minor	PHYM101	Basics of Electricity & Magnetism	T	2	6	15	14	35	20	50
Semester III											
02	Minor	PHYM201	Thermal Physics	T	2	6	15	14	35	20	50
03	Minor	PHYM202	Lab Activities on PHYM201	P	2	10	25	10	25	20	50
Semester IV											
04	Minor	PHYM203	Oscillations & Optics	T	2	6	15	14	35	20	50
05	Minor	PHYM204	Lab Activities on PHYM203	P	2	10	25	10	25	20	50
Semester V											
06	Minor	PHYM301	Computational Physics	T	2	6	15	14	35	20	50
07	Minor	PHYM302	Lab Activities on PHYM301	P	2	10	25	10	25	20	50
Semester VI											
08	Minor	PHYM303	Basics of Instrumentation	T	2	6	15	14	35	20	50
09	Minor	PHYM304	Lab Activities on PHYM303	P	2	10	25	10	25	20	50

2. PROGRAMME STRUCTURE FOR MINOR COURSES OFFERED IN CHEMISTRY DISCIPLINE

For example, here Science is faculty and Chemistry is discipline. These **minor courses** may be selected by learners who have **not** selected Chemistry as Major

SN	Course	Code	Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
Semester II											
01	Minor	CHEM101	Basics of Physical Chemistry	T	2	6	15	14	35	20	50

Semester III											
02	Minor	CHEM201	Introduction to Organic Chemistry	T	2	6	15	14	35	20	50
03	Minor	CHEM202	Lab Activities on CHEM201	P	2	10	25	10	25	20	50
Semester IV											
04	Minor	CHEM203	Introduction to Inorganic Chemistry	T	2	6	15	14	35	20	50
05	Minor	CHEM204	Lab Activities on CHEM203	P	2	10	25	10	25	20	50
Semester V											
06	Minor	CHEM301	Advanced Physical Chemistry	T	2	6	15	14	35	20	50
07	Minor	CHEM302	Lab Activities on CHEM301	P	2	10	25	10	25	20	50
Semester VI											
08	Minor	CHEM303	Organic & Inorganic Chemistry	T	2	6	15	14	35	20	50
09	Minor	CHEM304	Lab Activities on CHEM303	P	2	10	25	10	25	20	50

3. PROGRAMME STRUCTURE FOR MINOR COURSES OFFERED IN MATHEMATICS DISCIPLINE

For example, here Science is faculty and Mathematics is discipline. These minor courses may be selected by learners who have not selected Mathematics as Major

SN	Course	Code	Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
Semester II											
01	Minor	MATM101	Foundation of Mathematics	T	2	6	15	14	35	20	50
Semester III											
02	Minor	MATM201	Fundamentals of Calculus	T	2	6	15	14	35	20	50
03	Minor	MATM202	Practical Based on MATM201	P	2	10	25	10	25	20	50
Semester IV											
04	Minor	MATM203	Applied Linear Algebra	T	2	6	15	14	35	20	50
05	Minor	MATM204	Practical Based on MATM203	P	2	10	25	10	25	20	50
Semester V											
06	Minor	MATM301	Introductory Differential Equations	T	2	6	15	14	35	20	50
07	Minor	MATM302	Practical Based on MATM301	P	2	10	25	10	25	20	50
Semester VI											
08	Minor	MATM303	Numerical Methods	T	2	6	15	14	35	20	50
09	Minor	MATM304	Practical Based on MATM303	P	2	10	25	10	25	20	50

4. PROGRAMME STRUCTURE FOR MINOR COURSES OFFERED IN BOTANY DISCIPLINE

For example, here Science is faculty and Botany is discipline. These minor courses may be selected by learners who have not selected Botany as Major

SN	Course	Code	Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
Semester II											

01	Minor	BOTM101	Plant Diversity	T	2	6	15	14	35	20	50
Semester III											
02	Minor	BOTM201	Morphology and Anatomy of Flowering Plants	T	2	6	15	14	35	20	50
03	Minor	BOTM202	Lab Activities on BOTM201	P	2	10	25	10	25	20	50
Semester IV											
04	Minor	BOTM203	Plant Physiology	T	2	6	15	14	35	20	50
05	Minor	BOTM204	Lab Activities on BOTM203	P	2	10	25	10	25	20	50
Semester V											
06	Minor	BOTM301	Introduction to Cytology	T	2	6	15	14	35	20	50
07	Minor	BOTM302	Lab Activities on BOTM301	P	2	10	25	10	25	20	50
Semester VI											
08	Minor	BOTM303	Plant Genetics and Variation	T	2	6	15	14	35	20	50
09	Minor	BOTM304	Lab Activities on BOTM303	P	2	10	25	10	25	20	50

5. PROGRAMME STRUCTURE FOR MINOR COURSES OFFERED IN ZOOLOGY DISCIPLINE

For example, here Science is faculty and Zoology is discipline. These minor courses may be selected by learners who have not selected Zoology as Major

SN	Course	Code	Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
Semester II											
01	Minor	ZOOM101	Animal Diversity of Invertebrates	T	2	6	15	14	35	20	50
Semester III											
02	Minor	ZOOM201	Principle of Ecology	T	2	6	15	14	35	20	50
03	Minor	ZOOM202	Lab Activities on ZOOM201	P	2	10	25	10	25	20	50
Semester IV											
04	Minor	ZOOM203	Fundamentals of Cell Biology	T	2	6	15	14	35	20	50
05	Minor	ZOOM204	Lab Activities on ZOOM203	P	2	10	25	10	25	20	50
Semester V											
06	Minor	ZOOM301	Introduction to Aquatic Biology	T	2	6	15	14	35	20	50
07	Minor	ZOOM302	Lab Activities on ZOOM301	P	2	10	25	10	25	20	50
Semester VI											
08	Minor	ZOOM303	General Parasitology	T	2	6	15	14	35	20	50
09	Minor	ZOOM304	Lab Activities on ZOOM303	P	2	10	25	10	25	20	50

6. PROGRAMME STRUCTURE FOR MINOR COURSES OFFERED IN ENVIRONMENTAL SCIENCE DISCIPLINE

For example, here Science is faculty and Environmental Science is discipline. These minor courses may be selected by learners who have not selected Environmental Science as Major

SN	Course	Code	Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max

Semester II											
01	Minor	EVSM101	Fundamentals of Environment	T	2	6	15	14	35	20	50
Semester III											
02	Minor	EVSM201	Wildlife Biology	T	2	6	15	14	35	20	50
03	Minor	EVSM202	Lab Activities on EVSM201	P	2	10	25	10	25	20	50
Semester IV											
04	Minor	EVSM203	Water & Noise Quality	T	2	6	15	14	35	20	50
05	Minor	EVSM204	Lab Activities on EVSM203	P	2	10	25	10	25	20	50
Semester V											
06	Minor	EVSM301	Air & Soil Quality	T	2	6	15	14	35	20	50
07	Minor	EVSM302	Lab Activities on EVSM301	P	2	10	25	10	25	20	50
Semester VI											
08	Minor	EVSM303	Environmental Governance	T	2	6	15	14	35	20	50
09	Minor	EVSM304	Lab Activities on EVSM303	P	2	10	25	10	25	20	50

ANNEXURE – I: OPEN ELECTIVE (OE) COURSES FOR SCHOOL OF SCIENCES FROM OTHER FACULTY

*** List of Open Elective Courses from **other faculty** will be available on ‘Online Admission Portal’. For updated list browse [here](#).

Programme Structure for Open Elective (OE) Courses from School of Sciences for **other Faculty**

1. OPEN ELECTIVE (OE) COURSES IN PHYSICS OFFERED FOR OTHER FACULTY:

SN	Course	Code	Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
Semester I											
01	OE	PHYE101	Physics of Daily Life	T	2	6	15	14	35	20	50
02	OE	PHYE102	Materials in Daily Life	T	2	6	15	14	35	20	50
Semester II											
03	OE	PHYE103	Renewable Energy for Daily life	T	2	6	15	14	35	20	50
04	OE	PHYE104	Energy Audit	T	2	6	15	14	35	20	50
Semester III											
05	OE	PHYE201	Physics of Sound & Music	T	2	6	15	14	35	20	50
Semester IV											
06	OE	PHYE202	Physics in Sports	T	2	6	15	14	35	20	50

2. OPEN ELECTIVE (OE) COURSES IN CHEMISTRY OFFERED FOR OTHER FACULTY:

SN	Course	Code	Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
Semester I											

01	OE	CHEE101	Chemistry in Everyday Life	T	2	6	15	14	35	20	50
02	OE	CHEE102	Industrial Safety Management	T	2	6	15	14	35	20	50
Semester II											
03	OE	CHEE103	Pesticides Chemistry	T	2	6	15	14	35	20	50
04	OE	CHEE104	Food Safety Adulteration & Detection	T	2	6	15	14	35	20	50
Semester III											
05	OE	CHEE201	Fuel Chemistry	T	2	6	15	14	35	20	50
Semester IV											
06	OE	CHEE202	Chemistry of Cosmetics	T	2	6	15	14	35	20	50

3. OPEN ELECTIVE (OE) COURSES IN MATHEMATICS OFFERED FOR OTHER FACULTY:

SN	Course	Code	Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
Semester I											
01	OE	MATE101	Mathematics for Competitive Exam	T	2	6	15	14	35	20	50
02	OE	MATE102	Logical Reasoning and Data Interpretation	T	2	6	15	14	35	20	50
Semester II											
03	OE	MATE103	Mathematics for Quantitative Aptitude	T	2	6	15	14	35	20	50
04	OE	MATE104	Statistics for Research	T	2	6	15	14	35	20	50
Semester III											
05	OE	MATE201	Mathematics for Finance	T	2	6	15	14	35	20	50
Semester IV											
06	OE	MATE202	Basics of Actuarial Science	T	2	6	15	14	35	20	50

4. OPEN ELECTIVE (OE) COURSES IN BOTANY OFFERED FOR OTHER FACULTY:

SN	Course	Code	Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
Semester I											
01	OE	BOTE101	Biofertilizers	T	2	6	15	14	35	20	50
02	OE	BOTE102	Mushroom Culture Technology	T	2	6	15	14	35	20	50
Semester II											
03	OE	BOTE103	Nursery and Gardening	T	2	6	15	14	35	20	50
04	OE	BOTE104	Floriculture	T	2	6	15	14	35	20	50
Semester III											
05	OE	BOTE201	Herbal Drug Technology	T	2	6	15	14	35	20	50
Semester IV											
06	OE	BOTE202	Sustainable Agriculture	T	2	6	15	14	35	20	50

5. OPEN ELECTIVE (OE) COURSES IN ZOOLOGY OFFERED FOR OTHER FACULTY:

SN	Course	Code	Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
Semester I											
01	OE	ZOOE101	Vermicomposting Management	T	2	6	15	14	35	20	50
02	OE	ZOOE102	Sericulture Management	T	2	6	15	14	35	20	50
Semester II											
03	OE	ZOOE103	Poultry Management	T	2	6	15	14	35	20	50
04	OE	ZOOE104	Goat Farming	T	2	6	15	14	35	20	50
Semester III											
05	OE	ZOOE201	Dairy Production & Management	T	2	6	15	14	35	20	50
Semester IV											
06	OE	ZOOE202	Nutrition, Health & Hygiene	T	2	6	15	14	35	20	50

6. OPEN ELECTIVE (OE) COURSES IN ENVIRONMENTAL SCIENCE OFFERED FOR OTHER FACULTY:

SN	Course	Code	Name	Type	CR	CA		UA/EE		TM	
						Min	Max	Min	Max	Min	Max
Semester I											
01	OE	EVSE101	Biodiversity of India	T	2	6	15	14	35	20	50
02	OE	EVSE102	Futuristic Approach for Smart City	T	2	6	15	14	35	20	50
Semester II											
03	OE	EVSE103	Environmental Economics	T	2	6	15	14	35	20	50
04	OE	EVSE104	Ecotourism	T	2	6	15	14	35	20	50
Semester III											
05	OE	EVSE201	Sustainable Development Goal & Society	T	2	6	15	14	35	20	50
Semester IV											
06	OE	EVSE202	Environmental Law	T	2	6	15	14	35	20	50

WITHDRAWN PROGRAMMES

SCIENCE PROGRAMMES

C149: CERTIFICATE PROGRAMME IN BEEKEEPING {2020 PATTERN}

SN	Code	Name	CA	EE	TM	Type	Credits	Min %
01	GEN171	Beekeeping Skills Certificate Course – Textbook	20	80	100	T	6	40%
02	GEN172	Beekeeping Skills Certificate Course – Workbook	NA	50	50	P	2	35%

V135: DIPLOMA IN ENVIRONMENTAL SCIENCE {2021 PATTERN}

SN	Code	Name	CA	EE	TM	Type	Credits	Min %
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SN	Code	Name	CA	EE	TM	Type	Credits	Min %
Semester I: 16 Credits								
01	EVS011	Environmental Science and Environmental Biology	20	80	100	T	4	40%
02	EVS012	Environmental Education, Policies and Legislation	20	80	100	T	4	40%
03	EVS013	Natural Resources and Their Conservation	20	80	100	T	4	40%
04	EVS014	Lab Activities on EVS011, EVS012, EVS013	20	80	100	P	4	40%
Semester 02: 16 Credits								
05	EVS021	Environmental Sustainability	20	80	100	T	4	40%
06	EVS022	Environmental Chemistry	20	80	100	T	4	40%
07	EVS023	Environmental Geosciences & Computer Applications	20	80	100	T	4	40%
08	EVS024	Lab Activities on EVS022, EVS023	20	80	100	P	4	40%

V92: B.Sc. (PHYSICS, CHEMISTRY, MATHEMATICS) {2015 PATTERN}

SN	Code	Name	CAT	EE	TM	Type	Credits	Min%
Semester 01: 22 Credits								
01	AEC111	English Communication	20	80	100	T	4	40%
02	S34121	Physics – 01	20	80	100	T	4	40%
03	S37131	Chemistry – 01	20	80	100	T	4	40%
04	S41141	Mathematics – 01	20	80	100	T	4	40%
05	S34122	Physics – 01 Practical	10	40	50	P	2	40%
06	S37132	Chemistry – 01 Practical	10	40	50	P	2	40%
07	S41142	Mathematics – 01 Practical	10	40	50	P	2	40%
Semester 02: 22 Credits								
08	AEC211	Environmental Science	20	80	100	T	4	40%
09	S34221	Physics – 02	20	80	100	T	4	40%
10	S37231	Chemistry – 02	20	80	100	T	4	40%
11	S41241	Mathematics – 02	20	80	100	T	4	40%
12	S34222	Physics – 02 Practical	10	40	50	P	2	40%
13	S37232	Chemistry – 02 Practical	10	40	50	P	2	40%
14	S41242	Mathematics – 02 Practical	10	40	50	P	2	40%
Semester 03: 22 Credits								
15	SEC311	IT and ELearning Skills	20	80	100	T	4	40%
16	S34321	Physics – 03	20	80	100	T	4	40%
17	S37331	Chemistry – 03	20	80	100	T	4	40%
18	S41341	Mathematics – 03	20	80	100	T	4	40%
19	S34322	Physics – 03 Practical	10	40	50	P	2	40%
20	S37332	Chemistry – 03 Practical	10	40	50	P	2	40%

SN	Code	Name	CAT	EE	TM	Type	Credits	Min%
21	S41342	Mathematics – 03 Practical	10	40	50	P	2	40%
Online non-credit Audit Course								
22	CSC101	Cyber Security	15	35	50	T	-	40%
Semester 04: 22 Credits								
23	SEC411	Research Methodology	20	80	100	T	4	40%
24	S34421	Physics – 04	20	80	100	T	4	40%
25	S37431	Chemistry – 04	20	80	100	T	4	40%
26	S41441	Mathematics – 04	20	80	100	T	4	40%
27	S34422	Physics – 04 Practical	10	40	50	P	2	40%
28	S37432	Chemistry – 04 Practical	10	40	50	P	2	40%
29	S41442	Mathematics – 04 Practical	10	40	50	P	2	40%
Semester 05: 22 Credits								
30	SEC511	Financial and Investment Skills	20	80	100	T	4	40%
31	S34521	Physics – 05	20	80	100	T	4	40%
32	S37531	Chemistry – 05	20	80	100	T	4	40%
33	S41541	Mathematics – 05	20	80	100	T	4	40%
34	S34522	Physics – 05 Practical	10	40	50	P	2	40%
35	S37532	Chemistry – 05 Practical	10	40	50	P	2	40%
36	S41542	Mathematics – 05 Practical	10	40	50	P	2	40%
Semester 06: 22 Credits								
37	SEC611	Personality and Career Skills	20	80	100	T	4	40%
38	S34621	Physics – 06	20	80	100	T	4	40%
39	S37631	Chemistry – 06	20	80	100	T	4	40%
40	S41641	Mathematics – 06	20	80	100	T	4	40%
41	S34622	Physics – 06 Practical	10	40	50	P	2	40%
42	S37632	Chemistry – 06 Practical	10	40	50	P	2	40%
43	S41642	Mathematics – 06 Practical	10	40	50	P	2	40%

V100: B.Sc. [BOTANY, CHEMISTRY, ZOOLOGY] {2023 PATTERN}

SN	Code	Name	CA	EE	TM	Type	Credits	Min %
Semester 01: 22 Credits								
01	AEC111	English Communication	20	80	100	T	4	40%
02	BNY101	Plant diversity	20	80	100	T	4	40%
03	BNY102	Plant diversity– Practical	10	40	50	P	2	40%
04	CHE104	Basic Inorganic & Organic Chemistry	20	80	100	T	4	40%
05	CHE105	Basic Inorganic & Organic Chemistry – Practical	10	40	50	P	2	40%
06	ZGY101	Animal Diversity	20	80	100	T	4	40%

SN	Code	Name	CA	EE	TM	Type	Credits	Min %
07	ZGY102	Animal Diversity – Practical	10	40	50	P	2	40%
Semester 02: 22 Credits								
08	AEC211	Environmental Science	20	80	100	T	4	40%
09	BNY106	Plant Ecology and Taxonomy	20	80	100	T	4	40%
10	BNY107	Plant Ecology and Taxonomy – Practical	10	40	50	P	2	40%
11	CHE106	Physical & Organic Chemistry – 1	20	80	100	T	4	40%
12	CHE107	Physical & Organic Chemistry – 1- Practical	10	40	50	P	2	40%
13	ZGY106	Anatomy and Developmental Biology of Vertebrates	20	80	100	T	4	40%
14	ZGY107	Anatomy and Developmental Biology of Vertebrates-Practical	10	40	50	P	2	40%
Semester 03: 22 Credits								
15	SEC311	IT and Elearning Skills	20	80	100	T	4	40%
16	BNY201	Diversity & Morphology of Angiosperms	20	80	100	T	4	40%
17	BNY202	Diversity & Morphology of Angiosperms – Practical	10	40	50	P	2	40%
18	CHE201	Physical & Organic Chemistry – 2	20	80	100	T	4	40%
19	CHE202	Physical & Organic Chemistry – 2- Practical	10	40	50	P	2	40%
20	ZGY201	Animal Physiology and Ecology	20	80	100	T	4	40%
21	ZGY202	Animal Physiology and Ecology – Practical	10	40	50	P	2	40%
Online non-credit Audit Course								
22	CSC101	Cyber Security	15	35	50	T	-	40%
Semester04: 22 Credits								
23	SEC411	Research Methodology	20	80	100	T	4	40%
24	BNY206	Plant Systematics-Algae, Fungi & Bryophytes	20	80	100	T	4	40%
25	BNY207	Plant Systematics-Algae, Fungi & Bryophytes- Practical	10	40	50	P	2	40%
26	CHE206	Physical & Inorganic Chemistry	20	80	100	T	4	40%
27	CHE207	Physical & Inorganic Chemistry –Practical	10	40	50	P	2	40%
28	ZGY206	Genetics and Evolutionary Biology	20	80	100	T	4	40%
29	ZGY207	Genetics and Evolutionary Biology- Practical	10	40	50	P	2	40%
Semester 05: 22 Credits								
30	SEC511	Financial and Investment Skills	20	80	100	T	4	40%
31	BNY 301	Cell Biology and Genetics	20	80	100	T	4	40%
32	BNY302	Cell Biology and Genetics – Practical	10	40	50	P	2	40%
33	CHE301	Molecular Modeling Chemistry	20	80	100	T	4	40%
34	CHE302	Molecular Modeling Chemistry-Practical	10	40	50	P	2	40%
35	ZGY301	Mammalian Histology	20	80	100	T	4	40%

SN	Code	Name	CA	EE	TM	Type	Credits	Min %
36	ZGY302	Mammalian Histology – Practical	10	40	50	P	2	40%
Semester 06: 22 Credits								
37	SEC611	Personality and Career Skills	20	80	100	T	4	40%
38	BNY307	Analytical Techniques in Plant Sciences & Horticulture	20	80	100	T	4	40%
39	BNY308	Analytical Techniques in Plant Sciences & Horticulture – Practical	10	40	50	P	2	40%
40	CHE307	Green Chemistry	20	80	100	T	4	40%
41	CHE308	Green Chemistry- Practical	10	40	50	P	2	40%
42	ZGY307	Pest Management & Parasitology	20	80	100	T	4	40%
43	ZGY308	Pest Management & Parasitology – Practical	10	40	50	P	2	40%

V130: M.Sc. (MATHEMATICS) {2021 PATTERN}

SN	Code	Name	CAT	EE	TM	Type	Credits	Min %
Semester 01: 20 Credits								
01	S25011	Real Analysis	20	80	100	T	4	40%
02	S25012	Abstract Algebra	20	80	100	T	4	40%
03	S25013	Ordinary Differential Equations	20	80	100	T	4	40%
04	S25014	Topology	20	80	100	T	4	40%
05	S25015	Numerical Analysis	20	80	100	T	4	40%
Semester 02: 20 Credits								
06	S25021	Measure and Integration Theory	20	80	100	T	4	40%
07	S25022	Linear Algebra	20	80	100	T	4	40%
08	S25023	Partial Differential Equations	20	80	100	T	4	40%
09	S25024	Number Theory	20	80	100	T	4	40%
10	S25025	Integral Transforms	20	80	100	T	4	40%
Semester 03: 20 Credits								
11	S25031	Complex Analysis	20	80	100	T	4	40%
12	S25032	Field Theory	20	80	100	T	4	40%
13	S25033	Integral Equations	20	80	100	T	4	40%
14	S25034	Discrete Mathematics	20	80	100	T	4	40%
15	S25035	Operations Research	20	80	100	T	4	40%
Semester 04: 20 Credits								
16	S25041	Differential Geometry	20	80	100	T	4	40%
17	S25042	Functional Analysis	20	80	100	T	4	40%
18	S25043	Classical Mechanics	20	80	100	T	4	40%
19	S25044	Cryptography	20	80	100	T	4	40%

SN	Code	Name	CAT	EE	TM	Type	Credits	Min %
20	S25045	Topics in Fuzzy Mathematics	20	80	100	T	4	40%

V136: M.SC. (ENVIRONMENTAL SCIENCE) {2021 PATTERN}

SN	Code	Name	CAT	EE	TM	Type	Credits	Min %
Semester 01: 16 Credits								
01	EVS011	Environmental Science and Environmental Biology	20	80	100	T	4	40%
02	EVS012	Environmental Education, Policies and Legislation	20	80	100	T	4	40%
03	EVS013	Natural Resources and Their Conservation	20	80	100	T	4	40%
04	EVS014	Lab Activities on EVS011, EVS012, EVS013	20	80	100	P	4	40%
Semester 02: 16 Credits								
05	EVS021	Environmental Sustainability	20	80	100	T	4	40%
06	EVS022	Environmental Chemistry	20	80	100	T	4	40%
07	EVS023	Environmental Geosciences & Computer Applications	20	80	100	T	4	40%
08	EVS024	Lab Activities on EVS022, EVS023	20	80	100	P	4	40%
Semester 03: 16 Credits								
09	EVS031	Environmental Monitoring and Energy Studies	20	80	100	T	4	40%
10	EVS032	Instrumentation and Lab Techniques	20	80	100	T	4	40%
11	EVS033	Environmental Microbiology and Toxicology	20	80	100	T	4	40%
12	EVS034	Lab Activities on EVS031, EVS032, EVS033	20	80	100	P	4	40%
Semester 04: 16 Credits								
13	EVS 041	Sustainable Management of Biodiversity	20	80	100	T	4	40%
14	EVS042	Statistical Approaches and Modelling in Environmental Sciences	20	80	100	T	4	40%
15	EVS043	Environmental Issues and Human Health	20	80	100	T	4	40%
16	EVS044	Project-Work	20	80	100	PW	4	40%

V141: M.SC. (PHYSICS) {2022 PATTERN}

SN	Course Type	Code	Name	CA	EE	TM	Type	Credits	Min %
Semester I: 20 Credits									
01	Core	PHY111	Mathematical Methods in Physics	20	80	100	T	4	40%
02	Core	PHY112	Classical Mechanics	20	80	100	T	4	40%
03	Core	PHY113	Electronic Devices	20	80	100	T	4	40%
04	Applied	PHY114	Experimental Techniques in Physics	20	80	100	T	4	40%
05	Practical	PHY115	Physics I – Practical	10	40	50	P	2	40%
06	Practical	PHY116	Electronics Devices – Practical	10	40	50	P	2	40%
07	Audit	GEN203	Value Education	20	NA	NA	T	4	Completed

SN	Course Type	Code	Name	CA	EE	TM	Type	Credits	Min %
Semester II: 20 Credits									
08	Core	PHY121	Quantum Mechanics	20	80	100	T	4	40%
09	Core	PHY122	Atomic and Molecular Physics	20	80	100	T	4	40%
10	Core	PHY123	Electrodynamics	20	80	100	T	4	40%
11	Applied	PHY124	‘C’ Programming and Computational Methods	20	80	100	T	4	40%
12	Practical	PHY125	Physics II – Practical	10	40	50	P	2	40%
13	Practical	PHY126	‘C’ Programming – Practical	10	40	50	P	2	40%
14	Audit	GEN121	Cyber Security	20	NA	NA	T	4	Completed
Semester III: 20 Credits									
15	Core	PHY131	Statistical Mechanics	20	80	100	T	4	40%
16	Core	PHY132	Condensed Matter Physics	20	80	100	T	4	40%
17	Practical	PHY133	Physics III – Practical	10	40	50	P	2	40%
18	Applied	PHY134	Fundamentals of Materials Science	20	80	100	T	4	40%
Select Elective Group A: PHY135 & PHY136 or Group B: PHY137 & PHY138									
Elective Group A: PHY135 & PHY136									
19	Elective	PHY135	Energy Studies	20	80	100	T	4	40%
20	Theory & Practical	PHY136	Energy Studies – Practical	10	40	50	P	2	40%
Elective Group B: PHY137 & PHY138									
21	Elective	PHY137	Electronic Instrumentation	20	80	100	T	4	40%
22	Theory & Practical	PHY138	Electronic Instrumentation- Practical	10	40	50	P	2	40%
23	Audit	HRC002	Human Rights and the Indian Constitution	20	NA	NA	T	4	Completed
Semester IV: 20 Credits									
24	Core	PHY141	Nuclear and Particle Physics	20	80	100	T	4	40%
25	Core	RES505	Research Methodology	20	80	100	T	4	40%
26	Applied	PHY143	Physics of Thin Film	20	80	100	T	4	40%
Select Elective A: PHY144 or B: PHY145									
27	Elective Theory	PHY144	Physics of Nano Materials	20	80	100	T	4	40%
28	A or B	PHY145	Physics of LASERs	20	80	100	T	4	40%
29	Project	PHY146	Project	20	80	100	PW	4	40%

V142: M.SC. (CHEMISTRY) {2022 PATTERN}

SN	Course Type	Code	Name	CA	EE	TM	Type	Credits	Min %
Semester I: 20 Credits									
01	Core	CHE111	Inorganic Chemistry-I	20	80	100	T	4	40%
02	Core	CHE112	Organic Chemistry-I	20	80	100	T	4	40%
03	Core	CHE113	Physical Chemistry-I	20	80	100	T	4	40%
04	Applied	CHE114	Physical Methods In Chemistry	20	80	100	T	4	40%
05	Practical	CHE115	Inorganic Chemistry – Practical	10	40	50	P	2	40%
06	Practical	CHE116	Organic Chemistry – Practical	10	40	50	P	2	40%
07	Audit	GEN203	Value Education	20	NA	NA	T	4	Completed
Semester II: 20 Credits									
08	Core	CHE121	Inorganic Chemistry-II	20	80	100	T	4	40%
09	Core	CHE122	Organic Chemistry-II	20	80	100	T	4	40%
10	Core	CHE123	Physical Chemistry-II	20	80	100	T	4	40%
11	Applied	CHE124	Analytical Chemistry	20	80	100	T	4	40%
12	Practical	CHE125	Physical Chemistry – Practical	10	40	50	P	2	40%
13	Practical	CHE126	Analytical Chemistry – Practical	10	40	50	P	2	40%
14	Audit	GEN121	Cyber Security	20	NA	NA	T	4	Completed
Semester III: 20 Credits									
15	Core	CHE131	Organic Reaction Mechanism	20	80	100	T	4	40%
16	Core	CHE132	Advanced Organic Spectroscopy	20	80	100	T	4	40%
17	Practical	CHE133	Organic Reaction Mechanism & Advanced Organic Spectroscopy– Practical	10	40	50	P	2	40%
18	Core	CHE134	Advanced Synthetic Methods	20	80	100	T	4	40%
Select Elective A: CHE135 & CHE136 or Elective B: CHE137 & CHE138									
Select Elective A: CHE135 & CHE136									
19	Elective Theory & Practical	CHE135	Green Chemistry	20	80	100	T	4	40%
20		CHE136	Advanced Synthetic Methods & Green Chemistry – Practical	10	40	50	P	2	40%
Elective Group B: CHE137 & CHE138									
21	Elective Theory & Practical	CHE137	Polymer Chemistry	20	80	100	T	4	40%
22		CHE138	Advanced Synthetic Methods & Polymer Chemistry – Practical	10	40	50	P	2	40%
23	Audit	HRC002	Human Rights and the Indian Constitution	20	NA	NA	T	4	Completed
Semester IV: 20 Credits									

SN	Course Type	Code	Name	CA	EE	TM	Type	Credits	Min %
24	Core	CHE141	Stereo Chemistry	20	80	100	T	4	40%
25	Core	RES505	Research Methodology	20	80	100	T	4	40%
26	Applied	CHE143	Drugs & Heterocyclic	20	80	100	T	4	40%
Select Elective A: CHE144 or B: CHE145									
27	Elective	CHE144	Industrial Organic Chemistry	20	80	100	T	4	40%
28	Theory A or B	CHE145	Natural Products	20	80	100	T	4	40%
29	Project	CHE146	Organic Chemistry Project	20	80	100	PW	4	40%

V143: M. SC. (ZOOLOGY) {2022 PATTERN}

SN	Course Type	Code	Name	CA	EE	TM	Type	Credits	Min %
Semester I: 20 Credits									
01	Core	ZGY111	Biochemistry	20	80	100	T	4	40%
02	Core	ZGY112	Cell Biology	20	80	100	T	4	40%
03	Core	ZGY113	Applied Zoology	20	80	100	T	4	40%
04	Applied	ZGY114	Biodiversity & Conservation	20	80	100	T	4	40%
05	Practical	ZGY115	Biochemistry & Cell Biology – Practical	10	40	50	P	2	40%
06	Practical	ZGY116	Applied Zoology & Biodiversity – Practical	10	40	50	P	2	40%
07	Audit	GEN203	Value Education	20	NA	NA	T	4	Completed
Semester II: 20 Credits									
08	Core	ZGY121	Molecular Biology	20	80	100	T	4	40%
09	Core	ZGY122	Genetics	20	80	100	T	4	40%
10	Core	ZGY123	Developmental Biology	20	80	100	T	4	40%
11	Applied	ZGY124	Entomology	20	80	100	T	4	40%
12	Practical	ZGY125	Molecular Biology & Genetics – Practical	10	40	50	P	2	40%
13	Practical	ZGY126	Developmental Biology & Entomology – Practical	10	40	50	P	2	40%
14	Audit	GEN121	Cyber Security	20	NA	NA	T	4	Completed
Semester III: 20 Credits									
15	Core	ZGY131	Immunology	20	80	100	T	4	40%
16	Core	ZGY132	Endocrinology	20	80	100	T	4	40%
17	Practical	ZGY133	Immunology & Endocrinology – Practical	10	40	50	P	2	40%
18	Core	ZGY134	Animal Physiology	20	80	100	T	4	40%
Select Elective A: ZGY135 & ZGY136 or Elective B: ZGY137 & ZGY138									
Select Elective A: ZGY135 & ZGY136									

SN	Course Type	Code	Name	CA	EE	TM	Type	Credits	Min %
19	Elective	ZGY135	Ichthyology	20	80	100	T	4	40%
20	Theory & Practical	ZGY136	Animal Physiology & Ichthyology – Practical	10	40	50	P	2	40%
Elective Group B: ZGY137 & ZGY138									
21	Elective	ZGY137	Reproductive Physiology	20	80	100	T	4	40%
22	Theory & Practical	ZGY138	Animal Physiology & Reproductive Physiology Practical	10	40	50	P	2	40%
23	Audit	HRC002	Human Rights and the Indian Constitution	20	NA	NA	T	4	Completed
Semester IV: 20 Credits									
24	Core	ZGY141	Animal Biotechnology	20	80	100	T	4	40%
25	Core	RES505	Research Methodology	20	80	100	T	4	40%
26	Core	ZGY143	Toxicology	20	80	100	T	4	40%
Select Elective A: ZGY144 or B: ZGY145									
27	Elective	ZGY144	Comparative Animal Physiology	20	80	100	T	4	40%
28	Theory A or B	ZGY145	Animal Behaviour	20	80	100	T	4	40%
29	Project	ZGY146	Project	20	80	100	PW	4	40%

V144: M.SC. (BOTANY) {2022 PATTERN}

SN	Course Type	Code	Name	CA	EE	TM	Type	Credits	Min %
Semester I: 20 Credits									
01	Core	BNY111	Diversity of Non-Vascular plants – I	20	80	100	T	4	40%
02	Core	BNY112	Diversity of Non-Vascular plants – II	20	80	100	T	4	40%
03	Core	BNY113	Diversity of Vascular Plants and Paleobotany	20	80	100	T	4	40%
04	Applied	BNY114	Applied Phycology	20	80	100	T	4	40%
05	Practical	BNY115	Diversity of Non-Vascular Plants – Practical	10	40	50	P	2	40%
06	Practical	BNY116	Diversity of vascular plants, Paleobotany and Applied Phycology – Practical	10	40	50	P	2	40%
07	Audit	GEN203	Value Education	20	NA	NA	T	4	Completed
Semester II: 20 Credits									
08	Core	BNY121	Plant Physiology	20	80	100	T	4	40%
09	Core	BNY122	Anatomy and Embryology	20	80	100	T	4	40%

SN	Course Type	Code	Name	CA	EE	TM	Type	Credits	Min %
10	Core	BNY123	Herbal Wealth	20	80	100	T	4	40%
11	Applied	BNY124	Medicinal Plants and their Applications	20	80	100	T	4	40%
12	Practical	BNY125	Plant Physiology and Anatomy and Embryology – Practical	10	40	50	P	2	40%
13	Practical	BNY126	Herbal Wealth and Medicinal Plants and their Applications – Practical	10	40	50	P	2	40%
14	Audit	GEN121	Cyber Security	20	NA	NA	T	4	Completed
Semester III: 20 Credits									
15	Core	BNY131	Cytogenetics and Plant Breeding	20	80	100	T	4	40%
16	Core	BNY132	Advanced Plant Physiology	20	80	100	T	4	40%
17	Practical	BNY133	Cytogenetics and Plant Breeding, and Advanced Plant Physiology – Practical	10	40	50	P	2	40%
18	Core	BNY134	Taxonomy of Angiosperms	20	80	100	T	4	40%
Select Elective A: BNY135 & BNY136 or Elective B: BNY137 & BNY138									
Select Elective A: BNY135 & BNY136									
19	Elective	BNY135	Pharmacognosy	20	80	100	T	4	40%
20	Theory & Practical	BNY136	Taxonomy of Angiosperms and Pharmacognosy- Practical	10	40	50	P	2	40%
Elective Group B: BNY137 & BNY138									
21	Elective	BNY137	Seed Technology	20	80	100	T	4	40%
22	Theory & Practical	BNY138	Taxonomy of Angiosperms and Seed Technology- Practical	10	40	50	P	2	40%
23	Audit	HRC002	Human Rights and the Indian Constitution	20	NA	NA	T	4	Completed
Semester IV: 20 Credits									
24	Core	BNY141	Biotechnology and Molecular Biology	20	80	100	T	4	40%
25	Core	RES505	Research Methodology	20	80	100	T	4	40%
26	Core	BNY143	Ecology and Phytogeography	20	80	100	T	4	40%
Select Elective A: BNY144 or B: BNY145									
27	Elective	BNY144	Tools and Techniques in Plant Science	20	80	100	T	4	40%
28	Theory A or B	BNY145	Biostatistics	20	80	100	T	4	40%
29	Project	BNY146	Project	20	80	100	PW	4	40%

ROLE OF LEARNER SUPPORT CENTERS (LSCs)

 Administration Functions ▪ Academic Staff Identification and assigning responsibilities ▪ Identify part-time staff (Guest Faculty) ▪ Pre-Admission counselling and initial student contact ▪ Maintaining a database of approved academic counsellors ▪ Organizing meetings with coordinators and academic counsellors	 Academics Functions ▪ Organizing counselling sessions in alignment with university academic calendars ▪ Providing information to prospective and enrolled learners ▪ Planning and Counselling Schedule Communication ▪ Organizing orientation programs for new learners ▪ Conducting various sessions (Counselling, Practical, OJT/FP/RP, Online Sessions)
 Coordination Functions ▪ Coordination with: ○ Learners ○ Regional Centres ○ Evaluation Division and Exam Units ○ Student Support Division (SSD) ○ Registration Cell ○ Programme Coordinators at School / University	 Programme Promotion Functions ▪ Promoting YCMOU programmes through: ○ Social Media / Use Latest Digital Tools ○ Newspapers/ Pamphlets ○ Local Events & Outreach ○ Word of Mouth etc.
 Student Evaluation Functions ▪ Planning and conducting exams ▪ Assigning and evaluating assignments and projects ▪ Assigning counsellors for paper setting and evaluation ▪ Online submission of internal marks to exam division ▪ Submit answer sheets to the exam division after each exam event	 Record Keeping Functions ▪ Maintaining records of YCMOU learners ▪ Managing furniture and laboratory equipments ▪ Keeping accounts for each programme ▪ Maintaining audit statements ▪ Updating MoUs/Renewal for each programme

STUDENT SERVICES

ONLINE ADMISSION PROCESS

University has adopted Online Admission Policy for all the Programmes. Guidelines and relevant details are published on the University website. Students shall refer '**Online Admission Process**' which has given on the University website before taking the admission form. Student shall check the availability of the LSC/ Study Center for the Academic Programme to which he/ she wish to take admission from the School of Sciences Prospectus 2026 and/ or School of Sciences Study Centre Details 2025/2026.

PROGRAMME FEE RULES

Programme Fee Details, Eligibility Criteria and Fees Structure for Programmes offered in Academic Year 2026-27 are given in this Prospectus.

STUDENT EVALUATION

For each credit point of any course, total evaluation shall consist of following 2 (two) separate and independent components:

- **Continuous Assessment (CA):** This shall be "**Open Book Formative Evaluation without Supervision**" by the Counsellor for the respective course at each Learner Support Center (LSC). Aim of this component is not to assess student's learning but to provoke and motivate students for regular and better study. Hence, questions designed as per Bloom's Taxonomy guidelines to assess various cognitive levels (Remember, Understand, Apply, Analyze, Evaluate, and Create).
- **End Examination (EE):** This shall be "**Closed Book Summative Evaluation under Supervision**" conducted by the university at the designated Exam Centers. Aim of this component is to assess student's learning. Hence, questions designed as per Bloom's Taxonomy guidelines to assess various cognitive levels (Remember, Understand, Apply, Analyze, Evaluate, and Create). Normally, EE shall be conducted during 5th month of each semester.
- **Total Marks (TM):** 'Total Marks (TM)' shall be sum of CA marks and EE marks acquired by the student in each course. Acquired marks by the student shall be **separately reported for each** course in the mark-statement for CA, EE and Total marks.

Learners' Evaluation from 2023 Pattern Onwards in Nutshell

For Programmes as per NEP2020

Theory Courses							
1. Continuous Assessment (CA) (30%) Nature: Open-book, formative evaluation without supervision. Purpose: To motivate regular study, encourage deeper understanding, and assess learning progress. Conduction: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">For Theory - Online Home Assignment* upload by the University and online assessment by LSC counselor.</td></tr> <tr> <td style="text-align: center;">4-Credit Course, Total CA: 30</td><td style="text-align: center;">2-Credit Course, Total CA: 15</td></tr> <tr> <td> CA-1 (20 Marks): Includes Short Answer Questions (SAQs) and a Long Answer Question (LAQ). CA-2 (10 Marks): A test with 10 Objective Type Questions (MCQs). </td><td> - A single assessment comprising one SAQ and one LAQ. </td></tr> </table> * Online Home Assignment refer following Links: Online Home Assignment (Uploaded) Online Home Assignment Upload - Guidelines For Consellers - Webpage of Home Assignment -https://asm.ycmou.org.in/ - Home Assignment_Student Instructions - Student_Guide - StudyCenterGuide - Evaluator_Guide		For Theory - Online Home Assignment* upload by the University and online assessment by LSC counselor .		4-Credit Course, Total CA: 30	2-Credit Course, Total CA: 15	CA-1 (20 Marks): Includes Short Answer Questions (SAQs) and a Long Answer Question (LAQ). CA-2 (10 Marks): A test with 10 Objective Type Questions (MCQs).	A single assessment comprising one SAQ and one LAQ.
For Theory - Online Home Assignment* upload by the University and online assessment by LSC counselor .							
4-Credit Course, Total CA: 30	2-Credit Course, Total CA: 15						
CA-1 (20 Marks): Includes Short Answer Questions (SAQs) and a Long Answer Question (LAQ). CA-2 (10 Marks): A test with 10 Objective Type Questions (MCQs).	A single assessment comprising one SAQ and one LAQ.						
2. End Examination (EE) (70%) Nature: Closed-book, summative evaluation conducted under supervision. Purpose: To formally assess your knowledge and mastery of the subject material. Conducted by: The University at designated physical exam centers. Question Types: Includes various question types such as VSAQ (Very Short Answer Questions, 3 Marks), SAQ (Short Answer Questions, 5 Marks), and LAQ (Long Answer Questions, 10 Marks)							
Practical Courses							
1. Continuous Assessment (CA) (50%) : Assessed by LSC Counsellor Lab Punctuality, Preparedness & Ethics: Adherence to lab safety, timely arrival, and responsible conduct. Quality of Activity Report / Workbook: Clarity, accuracy, and completeness of documented experiments. Performance, Results, and Conclusion: Demonstrated skill in practical execution and analytical interpretation of findings.							
2. End Examination (EE) (50%): Assessed by Internal & External Examiners Conducted: At LSC but practical slip will be provided by the University. Workbook Submission: Comprehensive review of the learner's laboratory activity records. Actual Performance of a Randomly Selected Experiment: On the spot evaluation of practical skills. Viva-Voce: Oral examination to measure theoretical understanding and conceptual clarity related to the practical work.							

On Job Training (OJT), 4 Credit
1. Continuous Assessment (CA) (50%) - Industry mentor assesses Behavior, Skills, and Work Quality etc. 2. End Examination (EE) (50%) - Internal & external examiners evaluate the Internship Report and Viva-Voce.
Field Project (FP), 4 Credit (Only PG Programmes)
1. Continuous Assessment (CA) (50%) - LSC mentor/guide assesses Problem Area Definitions, Field Work Data analysis, Community Feedback etc. 2. End Examination (EE) (50%) - Internal & external examiners evaluate the Field Project Report and Viva-Voce.
Research Project (RP), 4 Credit (Only PG Programmes)
1. Continuous Assessment (CA) (50%) - Based on a seminar presentation and the submitted research proposal. 2. End Examination (EE) (50%) - Based on the final project report, comprehensive presentation, and a viva-voce.
Research Project (RP), 6 Credit (Only PG Programmes)
1. Continuous Assessment (CA) (50%) - Based on a Seminar Presentation, Research Paper Presentation and Project Report 2. End Examination (EE) (50%) - Based on the Final Project Report, Project Presentation, and Viva-Voce.
Field Project (FP), 2 Credit (Only UG Programmes)
1. Continuous Assessment (CA) (100%) LSC mentor/guide assesses Problem Area Definitions, Field Work Data analysis, Community feedback, field project report etc.
CEP (TW), 2 Credit (Only UG Programmes)
1. Continuous Assessment (CA) (100%) Based on a CEP proposal, CEP Report and Viva-Voce/ Presentation.
CC (TW), 2 Credit (Only UG Programmes)
1. Continuous Assessment (CA) (100%) Based on Attendance, Activity Reports, Viva-Voce, Participations and Achievement Certificates etc.

For more details, refer to the subsequent section of the 'Evaluation Pattern'

FROM 2023 PATTERN ONWARDS

As per NEP 2020, the 'Evaluation Pattern' of the Undergraduate and Postgraduate Programmes consist of the following components:

Course Type	Number of Credits	Continuous Assessment (CA)	End Examination (EE)	Total Marks 'TM' = (EE+CA)	Minimum Passing %
Theory(T)	4	30	70	100	minimum 40% in CA, EE and (CA + EE) shall be essential for each course to pass
Theory (T)	2	15	35	50	
Practical (P)	4	50	50	100	
Practical (P)	2	25	25	50	
Term work (TW)	2	25	25	50	
OJT/Field Project (FP)	4	50	50	100	
*Field Project (FP)/CC/CEP	2	50	-	50	
Research Project (RP)	4	50	50	100	
Research Project (RP)	6	75	75	150	

(*For UG programmes as per NEP2020)

- Separate and independent passing @ 40% in CA, EE and (CA+EE) shall be essential for each course – Theory, Practical, OJT/FP and RP.** "CA, EE and Total marks" shall be separately reported for each course in the transcript or mark-statement. The minimum and maximum marks for "CA, EE and Total Marks" are shown in the table below. If student does not score a minimum of 40% marks in CA or in EE of a course then the result of such a course will be reported as FAIL.

Course Type	Number of Credits	Continuous Assessment (CA)		End Examination(EE)		Total Marks 'TM' = (CA +EE)	
		Min	Max	Min	Max	Min	Max
Theory	2	6	15	14	35	20	50
	4	12	30	28	70	40	100
Practical/TW/OJT/FP/RP	2	10	25	10	25	20	50
	4	20	50	20	50	40	100
	6	30	75	30	75	60	150
*Field Project (FP)/ CC/CEP	2	20	50	NA		20	50

(*For UG programmes as per NEP2020)

- In **each** semester, **only 1 attempt**, for CA for **each** course and for EE for **each** course shall be allowed. Only **during valid registration period (VRP)**, students are allowed to appear for CA and EE for **each** course against the payment of the specified 'Examination Fee' for each attempt, for each course where he/she is admitted by the university. The 'CA and/or EE' attempts are counted for each examination option offered by the university to the student, irrespective of whether student actually chooses to appear in end exam or not.

3. If a student does not successfully complete the continuous assessment (CA) or pass the End Examination of Practical/Term work/OJT/Field Project/Research Project courses, they may complete these requirements with the next semester at the respective Learning Support Center (LSC) **only** during the valid registration period (VRP).
4. End examination shall be conducted in totally face-to-face mode at exam centers under full supervision and control of university. Student shall not be allowed to refer any text or reference book or his/her own notes during end examination.
5. For the **End Examination of Practical/Term work/OJT/Field Project/Research Project courses of the PG programmes** as per NEP2020 programmes, there shall be both internal and external examiner. The internal examiner shall be the respective academic staff at the respective LSC. The university/Regional center of the university shall appoint the external examiner, who must be external to the respective LSC. Both internal and external examiners shall typically carry 50% weightage in the assessment of each student, which includes CA and EE. For more details refer [CA and EE Evaluation Pattern](#).
6. **For the End Examination of Practical/Term work (SEC, VSC) /OJT courses of the UG programmes as per NEP2020 programmes**, there shall be both internal and external examiner. The internal examiner shall be the respective academic staff at the respective LSC. The university/Regional center of the university shall appoint the external examiner, who must be external to the respective LSC. Both internal and external examiners shall typically carry 50% weightage in the assessment of each student, which includes CA and EE. For more details refer [CA and EE Evaluation Pattern](#).
7. **For Field Project/CC/CEP courses of the UG programmes as per NEP2020, there shall be only internal examiner.** The internal examiner shall be the counsellor/supervisor of the respective LSC. An internal examiner shall carry the assessment of each student for 100% weightage related to Field Project/CC/CEP courses. For more details refer [CA Evaluation Pattern](#).
8. **Duration for Practical/Term work/OJT/Field Project/Research Project type of Courses:** 180 Minutes for a batch of typically 15 ± 3 students
9. [Only best of past performance shall be reported in transcript or mark statement.](#)
10. **Total student evaluation for PG programme**
 - a. **Each** semester shall be for **550** marks
 - b. **Each** year shall be for **1100** marks
 - c. **Each** regular PG degree shall be for **2200** marks
11. **Reporting Semesters for certification for PG programme:**
 - Min 40% or better marks in total **23 courses** (subjects) of total 88 credits at Semester I to IV.
12. **Total student evaluation for UG programme**
 - a. **Each** semester shall be for **550** marks.
 - b. **Each** year shall be for **1100** marks
 - c. **Each** regular UG degree shall be for **3300** marks.
 - d. **Each** Honours UG degree shall be for **4400** marks
13. **Reporting Semesters for certification for UG programme:**
 - Min 40% or better marks in total **55 courses** (subjects) of total 132 credits at Semester I to VI.
 - Min 40% or better marks in total **67 courses** (subjects) of total 176 credits at Semester I to VIII.

EVALUATION PATTERN

[CA and EE Evaluation Pattern as per the Minutes of the Meeting of the NEP Cell Dated 21.11.2023 and subsequent School Council Meetings]

S N	Type of Course	Continuous Assessment (CA)	End Examination (EE)
1.	Theory (T) 4 Credit 100 Marks CA: 30% EE: 70% [For both UG & PG]	Each student is required to attempt total 02 (Two) “Continuous Assessments (CA)” for each course of each Semester, as per the following details: CA01: ‘Continuous Assessment 01 (CA01)’ on Credit 01 to Credit 04 of each course, consists of 2 (Two) ‘Short Answer Questions (SAQs)’, each carrying 05 Marks, on Credit 01 and Credit 02 and 1 (One) ‘Long Answer Question (LAQ)’ of 10 Marks, on Credit 03 and Credit 04. LAQ may consist of sub-questions. CA01: On Credit 01 to Credit 04, of Marks = (5x2 + 10) = 20 Marks CA02: ‘Continuous Assessment 02 (CA02)’ on Credit 01 to Credit 04 of each course, consists of - A test containing total 10 (Ten) ‘Objective Type Questions,’ 05 (Five) on Credit 01 and Credit 02, and 05 (Five) on Credit 03 and Credit 04. Each ‘Objective Type Question’ of 1 Mark. CA02: On Credit 01 to Credit 04, of Marks = 10 Marks - Maximum number of attempts for CA, during each semester: Single attempt only Total Marks: 30 Marks	- Student is required to answer 05 ‘VSAQs’ out of 06 ‘VSAQs’, each carrying 03 Marks, on Credit 01 to 04, for total 15 Marks. One VSAQ will be on each Credit. - Student is required to answer 05 ‘SAQs’ out of 06 ‘SAQs’, each carrying 05 Marks, on Credit 01 to 04, for total 25 Marks. One SAQ will be on each Credit. - Student is required to answer 01 ‘LAQ’ out of 2 LAQs, of 10 Marks on Credit 01 and Credit 02, for total 10 Marks. LAQ may consist of sub-questions. - Student is required to answer 01 ‘LAQ’ out of 2 LAQs, of 10 Marks on Credit 03 and Credit 04, for total 10 Marks. LAQ may consist of sub-questions. - Student is required to answer 01 ‘LAQ’ out of 2 LAQs, of 10 Marks on Credit 01 to Credit 04, for total 10 Marks. LAQ may consist of sub-questions. - Number of attempts: Till Valid Registration Period (VRP) only Marks: 70 Marks Duration: 150 minutes

S N	Type of Course	Continuous Assessment (CA)		End Examination (EE)	
		SN	Description	Evaluation of End Examination(EE)	Marks
		1	Question Types	Very Short Answer Question (VSAQ) on each Credit	03 Marks
				Short Answer Question (SAQ) on each Credit	05 Marks
				On each Credit, either Single Long Answer Question (LAQ) or LAQ contains sub-questions (a), (b) and so on.	10 Marks
		2	Grand Total Marks	Total five Questions in EE Question paper based on: Credit 01 to 04 : 05 VSAQs out of 06 VSAQs (15 Marks) Credit 01 to 04 : 05 SAQs out of 06 SAQs (25 Marks) Credit 01 to 02 : 01 LAQ out of 02 LAQs (10 Marks) Credit 03 to 04 : 01 LAQ out of 02 LAQs (10 Marks) Credit 01 to 04 : 01 LAQ out of 02 LAQs (10 Marks) LAQ may contains sub-questions	70 Marks
2.	Theory (T) 2 Credit 50 Marks CA: 30% EE: 70% [For both UG & PG]	Each student is required to attempt total 01 (One) “Continuous Assessment (CA)” for each course of each Semester, as per the following details: 1. CA01: 1 (One) ‘Continuous Assessment 01 (CA01)’ on Credit 01 and Credit 02 of each course, consists of 1 (One) ‘Short Answer Question (SAQ)’ of 5 Marks and 1 (One) ‘Long Answer Question (LAQ)’ of 10 Marks, LAQ may consist of sub-questions. CA01: On Credit 01 and Credit 02 , of Marks = (5 + 10) = 15 Marks 2. Maximum number of attempts for CA , during each semester: Single attempt only 3. Total Marks: 15 Marks			1. Student is required to answer 05 ‘VSAQs’ out of 06 ‘VSAQs’ , each carrying 03 Marks, on Credit 01 to 02 , for total 15 Marks . One VSAQ will be on each Credit. 2. Student is required to answer 02 ‘SAQs’ out of 03 ‘SAQs’ , each carrying 05 Marks, on Credit 01 to 02 , for total 10 Marks . One SAQ will be on each Credit. 3. Student is required to answer 01 ‘LAQ’ out of 2 LAQs , of 10 Marks on Credit 01 and Credit 02 , for total 10 Marks . LAQ may consist of sub-questions. 4. Number of attempts: Till Valid Registration Period (VRP) only 5. Marks: 35 Marks 6. Duration: 75 minutes
		1	Question Types	Very Short Answer Question (VSAQ) on each Credit	03 Marks
				Short Answer Question (SAQ) on each Credit	05 Marks
				On each Credit, either Single Long Answer Question (LAQ) or LAQ contains sub-questions (a), (b) and so on.	10 Marks
		2	Grand Total Marks	Total three Questions in EE Question paper based on: Credit 01 to 02 : 05 VSAQs out of 06 VSAQs (15 Marks) Credit 01 to 02 : 02 SAQs out of 03 SAQs (10 Marks) Credit 01 to 02 : 01 LAQ out of 02 LAQs (10 Marks) LAQ may contains sub-questions	35 Marks

S N	Type of Course	Continuous Assessment (CA)				End Examination (EE)					
3.	Practical (P) 4 Credit 100 Marks CA: 50% EE: 50% [For both UG & PG]	1. Student is required to submit “Activity Report in Work-Book Format” for each Credit in the prescribed format. 2. Maximum number of attempts for each CA, during each semester : Single attempt only 3. Marks: 50 Marks 4. Grading criteria:				External and internal examiners shall assess each student based on: 1. Workbook/Activity Report submission by the student (Only by External Examiner) [05 Marks] 2. Practical Activity performed by the student [12 Marks] 3. Result and Conclusion of the Practical Activity [13 Marks] 4. Viva-Voce on Practical Activities [20 Marks] 5. Number of attempts: Till Valid Registration Period (VRP) only 6. Marks: 50 Marks 7. Duration: 180 minutes					
								Lab Punctuality, Preparedness & Ethics	Irregular in lab. Copies the experiment from others (0 Points)	Consistently regular but unable to explain the concepts (06 Points)	Punctuality in lab. Follows the procedure and responds to questions asked (10 Points)
								Activity Report and Performance (Experiment No, Date, Objectives, Apparatus with specification, Observations, Graphs, software used if any)	Poor Documentat ion and copied the experiment from others. Couldn’t perform the Activity /poor observation made (04 Points)	Average Documentation: Report is in format but some of the formatting guidelines are missed. Performed the Activity but observations made with some mistakes (12 Points)	Good Documentation: Lab activity writing is in proper format with all references, Grammar. Performed the Activity on time observations made with no mistakes (20 Points)
								Results and Conclusion	Unable to achieve the desired results but makes attempts to relate data to theory. Poor concluding statements (08 Points)	Average graphical and tabulated representation with misinterpret physical significance of theory. Achieve the desired results and but insufficient conclusion statement. (14 Points)	Analyses and interpret observed data carefully with good graphical and tabulated representation using appropriate theory/evidence. Achieve the results and reach to appropriate Conclusion (20 Points)
			Evaluation of Practical End Examination								

S N	Type of Course	Continuous Assessment (CA)				End Examination (EE)	
4.	Practical (P) 2 Credit 50 Marks CA: 50% EE: 50% [Only for UG]	1. Student is required to submit "Activity Report in Work-Book Format" for each Credit in the prescribed format. 2. Maximum number of attempts for each CA, during each semester : Single attempt only 3. Marks: 25 Marks 4. Grading criteria:				1. External and internal examiners shall assess each student based on: a. Workbook/Activity Report submission by the student (Only by External Examiner) [05 Marks] b. Practical Activity performed by the student [06 Marks] c. Result and Conclusion of the Practical Activity[07 Marks] d. Viva-Voce on Practical Activities [07 Marks] 2. Number of attempts: Till Valid Registration Period (VRP) only 3. Marks: 25 Marks 4. Duration: 90 minute	
		Lab Punctuality, Preparedness & Ethics	Irregular in lab. Copies the experiment from others (0 Points)	Consistently regular but unable to explain the concepts (03 Points)	Punctuality in lab. Follows the procedure and responds to questions asked (05 Points)		
		Activity Report and Performance (Experiment No, Date, Objectives, Apparatus with specification, Observations, Graphs, software used if any)	Poor Documentation and copied the experiment from others. Couldn't perform the Activity /poor observation made (02 Points)	Average Documentation: Report is in format but some of the formatting guidelines are missed. Performed the Activity but observations made with some mistakes (06 Points)	Good Documentation: Lab activity writing is in proper format with all references, Grammar. Performed the Activity on time observations made with no mistakes (10 Points)		
		Results and Conclusion	Unable to achieve the desired results but makes attempts to relate data to theory. Poor concluding statements (04 Points)	Average graphical and tabulated representation with misinterpret physical significance of theory. Achieve the desired results and but insufficient conclusion statement. (07 Points)	Analyses and interpret observed data carefully with good graphical and tabulated representation using appropriate theory/evidence. Achieve the results and reach to appropriate Conclusion (10 Points)		
		Evaluation of Practical End Examination					
		SN	Description		Internal Examiner	External Examiner	
		1	Workbook/Activity Report		-	05 Marks	
		2	Actual Conduct of one randomly selected Practical Activity		01 Marks	05 Marks	
		3	Diagram, Synoptic Answers, Graph/ Observation and Conclusion		02 Marks	05 Marks	
		4	Viva-Voce/Oral		02 Marks	05 Marks	
			Total		05 Marks	20 Marks	

S N	Type of Course	Continuous Assessment (CA)				End Examination (EE)																			
5.	Term Work (TW) 2 Credit 50 Marks CA: 50% EE: 50% [Only for UG Programmes as per NEP2020] For VSC & SEC courses	1. Student is required to submit “Activity Report in Work-Book Format” for each Credit in the prescribed format.				1. External and internal examiners shall assess each student based on: a. Workbook/Activity Report submission by the student (Only by External Examiner) [05 Marks] b.Viva-Voce on Practical Activities [20 Marks] 2. Number of attempts: Till Valid Registration Period (VRP) only 3. Marks: 25 Marks 4. Duration: 180 minutes																			
		2. Maximum number of attempts for each CA, during each semester : Single attempt only																							
		3. Marks: 25 Marks																							
		4. Grading Criteria:																							
		Lab Punctuality, Preparedness & Ethics	Irregular in lab. Copies the experiment from others (0 Points)	Consistently regular but unable to explain the concepts (03 Points)	Punctuality in lab. Follows the procedure and responds to questions asked (05 Points)																				
		Activity Report and Performance (Experiment No, Date, Objectives, Apparatus with specification, Observations, Graphs, software used if any)	Poor Documentation and copied the experiment from others. Couldn't perform the Activity /poor observation made (02 Points)	Average Documentation: Report is in format but some of the formatting guidelines are missed. Performed the Activity but observations made with some mistakes (06 Points)	Good Documentation : Lab activity writing is in proper format with all references, Grammar. Performed the Activity on time observations made with no mistakes (10 Points)																				
		Results and Conclusion	Unable to achieve the desired results but makes attempts to relate data to theory. Poor concluding statements (04 Points)	Average graphical and tabulated representation with misinterpret physical significance of theory. Achieve the desired results and but insufficient conclusion statement. (07 Points)	Analyses and interpret observed data carefully with good graphical and tabulated representation using appropriate theory/evidenc e. Achieve the results and reach to appropriate Conclusion (10 Points)																				
	<table><tr><th>SN</th><th colspan="3">Evaluation of TW End Examination</th></tr><tr><th></th><th>Description</th><th>Internal Examiner</th><th>External Examiner</th></tr><tr><td>1</td><td>Workbook/Activity Report</td><td>-</td><td>05 Marks</td></tr><tr><td>2</td><td>Viva-Voce/Oral</td><td>05 Marks</td><td>15 Marks</td></tr><tr><td></td><td>Total</td><td>05 Marks</td><td>20 Marks</td></tr></table>					SN	Evaluation of TW End Examination				Description	Internal Examiner	External Examiner	1	Workbook/Activity Report	-	05 Marks	2	Viva-Voce/Oral	05 Marks	15 Marks		Total	05 Marks	20 Marks
SN	Evaluation of TW End Examination																								
	Description	Internal Examiner	External Examiner																						
1	Workbook/Activity Report	-	05 Marks																						
2	Viva-Voce/Oral	05 Marks	15 Marks																						
	Total	05 Marks	20 Marks																						

S N	Type of Course	Continuous Assessment (CA)	End Examination (EE)																					
6.	Field Project (TW) 4 Credit 100 Marks CA: 50% EE: 50% [Only for PG]	Students need to complete one month Field Project related to selected Major (Total Study hours 120 hrs including Activity Report). After completion of the field project, learners shall submit a report to the LSC – Programme Coordinator (PC) and Mentor/Guide. - Maximum number of attempts for each CA, during each semester: Single attempt only - Duration: 1 Month or 4 Weeks duration - Any one month during semester 02 duration of PG programme Marks: 50 Marks - Grading Criteria for Evaluation of FP (only by Mentor/Guide): <table><tr><th>SN</th><th>Description</th><th>Marks</th></tr><tr><td>1</td><td>Key Definitions of Problem area and analysis of preliminary data</td><td>15</td></tr><tr><td>2</td><td>Work related to formats, Correspondence, Interactions and liaising etc</td><td>05</td></tr><tr><td>3</td><td>Field work and data collection</td><td>15</td></tr><tr><td>4</td><td>Analysis and Report</td><td>10</td></tr><tr><td>5</td><td>Feedback to community</td><td>05</td></tr><tr><td colspan="2">Total</td><td>50</td></tr></table>	SN	Description	Marks	1	Key Definitions of Problem area and analysis of preliminary data	15	2	Work related to formats, Correspondence, Interactions and liaising etc	05	3	Field work and data collection	15	4	Analysis and Report	10	5	Feedback to community	05	Total		50	External and Internal examiners (Internal examiner – Programme Coordinator (PC) / Supervisor of LSC) shall assess each student based on: - Activity Report submission by the student (Only by External Examiner) [10 Marks] - Viva-Voce on Activity Report [40 Marks] - Number of attempts: Till Valid Registration Period (VRP) only Marks: 50 Marks Duration: 180 minutes
SN	Description	Marks																						
1	Key Definitions of Problem area and analysis of preliminary data	15																						
2	Work related to formats, Correspondence, Interactions and liaising etc	05																						
3	Field work and data collection	15																						
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Total		50																						
<table><tr><th rowspan="2">SN</th><th colspan="3">Evaluation of Field Project End Examination</th></tr><tr><th>Description</th><th>Internal Examiner (Programme Coordinator (PC)/ Supervisor of LSC)</th><th>External Examiner</th></tr><tr><td>1</td><td>Workbook/Report submission</td><td>-</td><td>10 Marks</td></tr><tr><td>2</td><td>Viva-Voce /Oral</td><td>10 Marks</td><td>30 Marks</td></tr><tr><td>3</td><td>Total</td><td>10 Marks</td><td>40 Marks</td></tr></table>				SN	Evaluation of Field Project End Examination			Description	Internal Examiner (Programme Coordinator (PC)/ Supervisor of LSC)	External Examiner	1	Workbook/Report submission	-	10 Marks	2	Viva-Voce /Oral	10 Marks	30 Marks	3	Total	10 Marks	40 Marks		
SN	Evaluation of Field Project End Examination																							
	Description	Internal Examiner (Programme Coordinator (PC)/ Supervisor of LSC)	External Examiner																					
1	Workbook/Report submission	-	10 Marks																					
2	Viva-Voce /Oral	10 Marks	30 Marks																					
3	Total	10 Marks	40 Marks																					

S N	Type of Course	Continuous Assessment (CA)	End Examination (EE)																					
7.	Field Project (TW) 2 Credit 50 Marks CA: 100% [Only for UG]	Students need to complete Field Project (Total Study hours 60 hrs including Activity Report) related to selected Major. After completion of the field project, learners shall submit a report to the LSC – Programme Coordinator (PC) and Mentor/Guide. - Maximum number of attempts for each CA, during each semester: Single attempt only - Duration: Minimum 15 days or 2 Weeks duration – Any month during the semester 3 & semester 5 of UG programme Marks: 50 Marks - Grading Criteria for Evaluation of FP (only by Internal Examiner - Programme Coordinator (PC)/ Supervisor of LSC): <table><tr><th>SN</th><th>Description</th><th>Marks</th></tr><tr><td>1</td><td>Key Definitions of Problem area and analysis of preliminary data</td><td>15</td></tr><tr><td>2</td><td>Work related to formats, Correspondence, Interactions and liaising etc</td><td>05</td></tr><tr><td>3</td><td>Field work and data collection</td><td>15</td></tr><tr><td>4</td><td>Analysis and Report</td><td>10</td></tr><tr><td>5</td><td>Feedback to community</td><td>05</td></tr><tr><td colspan="2">Total</td><td>50</td></tr></table>	SN	Description	Marks	1	Key Definitions of Problem area and analysis of preliminary data	15	2	Work related to formats, Correspondence, Interactions and liaising etc	05	3	Field work and data collection	15	4	Analysis and Report	10	5	Feedback to community	05	Total		50	End Examination is Not Applicable (NA)
SN	Description	Marks																						
1	Key Definitions of Problem area and analysis of preliminary data	15																						
2	Work related to formats, Correspondence, Interactions and liaising etc	05																						
3	Field work and data collection	15																						
4	Analysis and Report	10																						
5	Feedback to community	05																						
Total		50																						

S N	Type of Course	Continuous Assessment (CA)			End Examination (EE)								
8.	OJT or Internship (TW) 4 Credit 100 Marks CA: 50% EE: 50% [For Both UG & PG Programmes as per NEP2020]	1. Students need to complete one month On Job Training (OJT) or Internship related to selected Major (Total Study hours 120 hrs including Internship Report) in any Industry / Organization / Institute/ R&D Division/ Any Micro/ Small/ Medium/ enterprise/ Govt/NGO/PSU/Online Internship related to Major course. 2. Maximum number of attempts for each CA, during each semester: Single attempt only 3. Marks: 50 Marks 4. Duration: 1 Month or 4 Weeks duration – Any one month within semester duration, but before end examination of that particular semester 5. Grading Criteria for Evaluation of OJT (or Intern) only by Mentor where the Internship is proposed to be imparted:			At the end of second semester, Programme Coordinator (PC)/ Supervisor of LSC and 1 (one) External Examiner will complete ‘End Exam (EE)’ for all allotted students as follows: 1. Duration of EE: After Theory EE of second Semester 2. Programme Coordinator (PC)/ Supervisor of LSC and External Expert will have 20% and 80% weightage respectively in EE. 3. Number of attempts: Till Valid Registration Period (VRP) only 4. Marks for EE: 50 Marks								
								SN	Parameters	Marks Out of	Parameter	PC /Supervis or of LSC	External Expert
								1	Behaviors, Shows interest in assigned work, Willingness to learn	10	Professional Attitude	-	05 Marks
								2	Accepts responsibility, Cooperates with co-workers and supervisors, Demonstrates organizational skills	10	Maintenance of Daily Diary	-	10 Marks
								3	Uses time, knowledge and expertise effectively, Analyzes problems effectively	10	Internship Report	05 Marks	10 Marks
		4	Demonstrates creativity/ originality / any innovative contribution, Professional ethics and accountability	10	Viva/Oral	05 Marks	15 Marks						
		5	Writes effectively, Produces high quality work/Skill Proficiency	10	Total	10 Marks	40 Marks						
		Total		50									
		Document as Evidence: Activity report along with Certificate or Declaration, duly issued and signed by the concerned authority [To be assessed during EE] should be submitted during End Examination to the parent Learner support Centre (LSC).											

S N	Type of Course	Continuous Assessment (CA)	End Examination (EE)																						
9.	CEP (TW) 2 Credit 50 Marks CA: 100% [Only for UG]	1. CEP Proposals*: 15 Marks 2. Planning community work, correspondence, formats, interactions, liaising: 10 Marks 3. CEP report**: 15 marks 4. Viva /Presentation: 10 Marks 5. Marks: 50 Marks	End Examination is Not Applicable (NA)																						
		*CEP Proposals: 1) Basic structure of Society 2) Key definitions of Problem area 3) Analysis of Preliminary data **CEP Report: 1) Field work and data gathering 2) Analysis and reporting																							
10.	Project Work (PW) RP-I 4 Credit 100 Marks CA: 50% EE: 50% [Only for PG]	1. Student is required to submit “Activity Report” based on Grading Criteria of the course in the prescribed format.	1. External and internal examiners shall assess each student based on: a. Project Report submission by the student (Only by External Examiner) [10 Marks] b. Project Presentation by the student [20 Marks] c. Viva-Voce on Project Report [20 Marks] 2. Number of attempts: Till Valid Registration Period (VRP) only 3. Marks: 50 Marks 4. Duration: 180 minutes																						
		2. Maximum number of attempts for each CA, during each semester: Single attempt only																							
		3. Marks: 50 Marks																							
		4. Grading Criteria: <table><tr><td>SN</td><td>Desc</td><td>Marks</td></tr><tr><td>1</td><td>Seminar*</td><td>25</td></tr><tr><td>2</td><td>Research Proposal</td><td>25</td></tr></table> *To be conducted in Online/Offline mode at LSC.		SN	Desc	Marks	1	Seminar*	25	2	Research Proposal	25													
		SN		Desc	Marks																				
1	Seminar*	25																							
2	Research Proposal	25																							
		<table><tr><td rowspan="2">S N</td><td colspan="3">Evaluation of Project Work End Examination</td></tr><tr><td>Description</td><td>Internal Examiner</td><td>External Examiner</td></tr><tr><td>1</td><td>Project Report</td><td>-</td><td>10 Marks</td></tr><tr><td>2</td><td>Project Presentation</td><td>05 Marks</td><td>15 Marks</td></tr><tr><td>3</td><td>Viva-Voce /Oral</td><td>05 Marks</td><td>15 Marks</td></tr><tr><td>4</td><td>Total</td><td>10 Marks</td><td>40 Marks</td></tr></table>	S N	Evaluation of Project Work End Examination			Description	Internal Examiner	External Examiner	1	Project Report	-	10 Marks	2	Project Presentation	05 Marks	15 Marks	3	Viva-Voce /Oral	05 Marks	15 Marks	4	Total	10 Marks	40 Marks
S N	Evaluation of Project Work End Examination																								
	Description	Internal Examiner	External Examiner																						
1	Project Report	-	10 Marks																						
2	Project Presentation	05 Marks	15 Marks																						
3	Viva-Voce /Oral	05 Marks	15 Marks																						
4	Total	10 Marks	40 Marks																						

S N	Type of Course	Continuous Assessment (CA)			End Examination (EE)	
11.	Project Work (PW) RP-II 6 Credit 150 Marks CA: 50% EE: 50% [Only for PG]	1. Student is required to submit “Activity Report” based on Grading Criteria of the course in the prescribed format.	2. Maximum number of attempts for each CA, during each semester: Single attempt only	3. Marks: 75 Marks	4. Grading Criteria:	
		SN	Description	Marks		
		1	Seminar*	30		
		2	Research Paper Presentation**	30		
		3	Project Report	15		
		*To be conducted in Online/Off line mode at LSC.				
		** Journals/Conferences/ at LSC, in Online/Offline mode [This activity shall be organized by respective LSC in Online/Offline mode in case student didn't get an opportunity for presentation at Journals/Conferences]				
		SN	Evaluation of Project Work End Examination			
			Description	Internal Examiner	External Examiner	
		1	Project Report	-	20 Marks	
		2	Project Presentation	05 Marks	20 Marks	
		3	Viva-Voce /Oral	10 Marks	20 Marks	
			Total	15 Marks	60 Marks	

BEFORE 2023 PATTERN AND V100: B.Sc. (BCZ){2023 PATTERN} PROGRAMME

- **Continuous Assessment (CA):** CA for **each** credit shall carry 5 marks (For course of 4 Credit, CA will be 20 Marks, and for course of 2 Credit, CA will be 10 Marks).
- **End Examination (EE):** EE for each credit shall carry 20 marks (For course of 4 Credit, EE will be 80 Marks and for course of 2 Credit, EE will be 40 Marks).
- **Evaluation Pattern:**

Course Type	Credits	Marks		Total Marks 'TM' = (CA+EE)	Minimum Passing %
		Continuous Assessment (CA)	End Examination (EE)		
Theory	4	20	80	100	40% Separate passing in CA and EE is not mandated.
Practical	2	10	40	50	

- **Continuous Assessment (CA): (20% Weightage)**
 1. **Theory Type of Courses:** Online Home Assignment upload by the University and online assessment done by LSC counselor.
 2. **Practical Type of Courses:** Activity workbook assessment by LSC counselor.
- **End Examination (EE): (80% Weightage)**

End examination shall be conducted in totally face-to-face mode at exam centers under full supervision and control of university. Student shall not be allowed to refer any text or reference book or his/her own notes during end examination. **80% attendance shall be essential prerequisite for appearing in end exam** for Practical, Term-Work, and Project-Work Type of Courses. Certification by the LSC/ Study Center Head / Coordinator on the "End Exam Hall Ticket" shall automatically certify this minimum 80% attendance.

1. **Theory Type of Courses:** EE shall have total 20 marks and 45 minutes duration for each credit of each course. For successful completion, minimum specified marks shall be essential. Block size for EE shall be 30 students. Only 5 (Five) SAQs, each of 05 marks, shall be asked on any one or more chapters from the respective credit. Out of 5 SAQs, students have to solve 4 SAQs. Each answer book shall be bar coded. Only total marks shall be reported for each student.
2. **Practical Type of Courses:** EE shall have total 20 marks for each credit point block of the course and duration of End Exam shall be 240 minutes. For successful completion, minimum specified marks shall be essential. Only total marks shall be reported for each student. Batch size for EE shall be 15 students. There shall be internal and external examiner. Internal examiner shall be the respective academic staff at the respective LSC/ Study Center. The university shall appoint external examiner, who must be external to the respective LSC/ Study Center. Internal as well as external examiner shall have 50% weightage in the assessment of each student. Each examiner shall assess each student for 4 Credit course based on following criteria:

Parameter	Internal Examiner (Out of 40 Marks)	External Examiner (Out of 40 Marks)
Journal (Work-Book)	Out of 05	Out of 05

Punctuality and attendance record	Out of 05	Out of 05
Conduct of One Randomly Selected Practical Activity	Out of 10	Out of 10
Report of Practical Activity	Out of 10	Out of 10
Viva-Voce	Out of 10	Out of 10

3. **Project Work Type of Courses:** EE shall have total 20 marks for each credit point block of the course and duration of End Exam shall be 240 minutes. For successful completion, minimum specified marks shall be essential. Only total marks shall be reported for each student. Batch size for EE shall be 08 students. There shall be internal and external examiner. Internal examiner shall be the respective academic staff at the respective LSC/ Study Center. The university shall appoint external examiner, who must be external to the respective LSC/ Study Center. Internal as well as external examiner shall have 50% weightage in the assessment of each student. Each examiner shall assess each student for 4 Credit course based on following criteria:

Parameter	Internal Examiner (out of 40 Marks)	External Examiner (out of 40 Marks)
Project Proposal and Review of Literature	Out of 10	Out of 10
Project Results and Report	Out of 20	Out of 20
Presentation	Out of 05	Out of 05
Viva-Voce	Out of 05	Out of 05

4. **Term Work Type of Courses:** EE shall have total 25 marks for each credit point block of the course and duration of End Exam shall be 240 minutes. For successful completion, minimum specified marks shall be essential. Only total marks shall be reported for each student. Batch size for EE shall be 30 students. There shall be internal and external examiner. Internal examiner shall be the respective academic staff/ mentor at the respective LSC/ Study Center/ business/ service unit or industry. The university shall appoint external examiner, who must be external to the respective LSC/ Study Center. In case of Programme on offer based on Learn & Earn scheme only, the LSC/ Study Center will appoint external examiner {Refer Evaluation & Examination details mentioned for Learn & Earn Scheme given in this Prospectus}.

Internal as well as external examiner shall have 50% weightage in the assessment of each student. Each examiner shall assess each student for 4 Credit Term Work Type Course of **100** Marks based on the following criteria. Similarly, this criterion is proportionately applicable for a 8 Credit Term Work Course of 200 Marks {Refer End Examination details mentioned for Learn & Earn Scheme given in this Prospectus}.

Parameter	Internal Examiner (out of 50 Marks)	External Examiner (out of 50 Marks)
Punctuality and attendance record	Out of 10	Out of 10
Term work submission	Out of 20	Out of 20
Viva-Voce	Out of 20	Out of 20

Note: Students enrolled in these patterns will continue with this evaluation system until they complete their programme within the valid registration period (VRP), ensuring a smooth transition process without disruption to their academic journey.

END EXAMINATION

Objective of End Examination is Assessment of the student's learning.

END EXAM SCHEDULE

End examination shall be arranged in 2 sessions on each day. Normal dates and timings shall be as given below. All students and LSCs/ Study Centers are expected to note following "End Exam Time-Table" as no separate notice or intimation regarding it shall be given to any student or LSC/ Study Center. Students are allowed to choose only those courses (**where student is admitted** and **registration period is valid**) for end examination, which are permitted by this "End Exam Time-Table."

Only under exceptional conditions, these dates may be changed with appropriate notice on website.

Tentative End Exam Time Table [For updated Time Table Visit University Website]

Day and Date Month	Morning Session Semester 01, 02, 05, 06,09, 10, 13, 14 Start Time: 10:30 Hrs	Afternoon Session Semester 03, 04, 07, 08,11 and 12 Start Time: 14:30
End exam duration shall be for the specified time duration given on each "Question Paper" from the start time mentioned above.		
End Exam for only Theory Type of Courses, where last 3 characters of the course code are used (Full course codes are used for V92 and V100 Programmes) (V151 to V157 PG programmes [NEP2020] course code – FY starts from 500 series and SY starts from 600 series) (UGV01 to UGV06 UG programmes [NEP2020] course code – FY starts from 100 series and SY starts from 200 series)		
01 st Day: Course 01 Dec or May	011, 051, 091, 111, AEC111, SEC511, GEN171, 501, C101, C301	031, 071, 111, 131, SEC311, 601, C201
02 nd Day: Course 01 Dec or May	021, 061, 101, 121, AEC211, SEC611, 509, C103, C309	041, 081, 121, 141, SEC411, 609, C205,
03 rd Day: Course 02 Dec or May	012, 052, 092, 112, S34121, S34521, BNY101, BNY301, S64121, S64521, 502, VECD101, C302	032, 072, 132, S34321, S64321, BNY201, 602, C202
04 th Day: Course 02 Dec or May	022, 062, 102, 122, S34221, S34621, BNY106, BNY307, S64221, S64621, 510, VECD102, C310,	042, 082, 142, S34421, BNY206, S64421, 610, C206
05 th Day: Course 03 Dec or May	013, 053, 093, 113, S37131, S37531, S67131, S67531, 503, AECL101, C304, C305, C306	033, 073, 134, S37331, S67331, 603, AECL201
06 th Day: Course 03 Dec or May	023, 063, 103, 123, S37231, S37631, S67231, S67631, 511, AECL102, C312, C313, C314	043, 083, 143, S37431, S67431, 613, 614, 615, AECL202
07 th Day: Course 04 Dec or May	014, 054, 094, 114, S41141, S41541, S71141, S71541, ZGY101, ZGY301, 505, E101, M301	034, 074, 135, S41341, S71341, ZGY201, ZGY206, 606, 607, 608, E201
08 th Day: Course 04 Dec or May	024, 064, 104, 124, S41241, S41621, ZGY106, ZGY307, S71241, S71641, 515, 516, E103, M303	044, 084, 144, S41441, S71441, ZGY206, SECS201,
09 th Day: Course 05 Dec or May	*015, 055, 095, 506, 507, E102 (*Not applicable for T101)	035, 075, 137, M201
10 th Day: Course 05 Dec or May	*025, 065, 105, E104 (*Not applicable for T101)	045, 085, 145, E202
11 th Day: Course 06 Dec or May	K101, K102, K103, K104, K106	
12 th Day: Course 06 Dec or May	M101	M203
End Exam for Practical, Term-Work, OJT, FP, and Project-Work Type of Courses shall be immediately before/ after the end exam for theory courses, but end positively before 30-Dec (for odd semester end exam) or 30-Jun (For even semester end exam). Students are required to contact their allotted exam center for the detail schedule.		

EE POLICIES AND RULES

1. **Last End Exam for Withdrawn Programmes** is given in the “Schedule of Last Further Admission and End Exam for Withdrawn Programmes” section, starting on pages 2-4.
2. Now student shall be allowed to appear in End Exam (**as permitted by the end exam time table**) for all those courses where he/she is already admitted by the university, till last end exam attempt, if it is declared by the university.
3. University shall not specify any last end exam attempt in case of “Programmes on Offer”.
4. Student shall successfully complete the courses/ programmes before the last end exam attempt in case of “Withdrawn Programmes”. After the last end exam slot, **no further end exam attempts** will be given by the university in case of **withdrawn** programmes.

PERFORMANCE IMPROVEMENT

Only during the valid registration period, students are allowed to improve end exam performance by reappearing in the end examination for **only theory type of course**. Only the **best of the past end exam performance shall be reported** in the Mark-Statement. But, after the award of certification in the convocation, no performance improvement shall be allowed. Hence, student must attempt ‘End Exam Performance Improvement’ positively before applying for the convocation.

PERFORMANCE IMPROVEMENT POLICY AND RULES

Policy Highlights:

- A valuable opportunity for students to enhance their academic Performance
- Applicable exclusively to End Examination (EE) performance in **theory courses**, by reappearing for exam in a following semester
- **Application and Eligibility:** Student shall apply for grade improvement **within five years** after passing their UG/PG programmes. Registration must be completed by the students themselves during specified periods, and they must submit necessary documents along with fees.
- **Conditions and Number of Attempts:** Appeared for **at least 1/3 of courses** to qualify for improvement. Courses based on which the degree is awarded will be considered. If they do not achieve better grades **after three attempts**, their performance in those attempts will be used for future mark sheets.
- **For more details, Refer Improvement of Class / Improvement of Grade circular-42**-regarding-grade-marks-revised140825 available at
https://ycmou.digitaluniversity.ac/WebFiles/circular-42-Improm_Class%20grade-marks.pdf

VERTICAL MOBILITY AND HORIZONTAL EXIST

Vertical mobility and Horizontal exist is recommended by UGC and also in National Education Policy 2020. This School adopted this policy in its programmes.

1. As per NEP 2020, the exit option at the end of first year of Postgraduate/Master Degree programme will commence from AY 2024-2025. Accordingly, learners who have enrolled for a two year Postgraduate/Master Degree programme may opt for the exit option at the end of first year of the Postgraduate/Master Degree programme and earn a PG Diploma. However, ‘PG Diploma’ shall be awarded to enrolled learner who have successfully complete first year of the programmes and also have earned the requisite credits in first year including ‘On Job Training (OJT)/Field Projects

(FP) in the respective major courses. The learners are advised to check website regularly for updates and other announcements.

2. As per NEP 2020, the exit option at the end of each year of the undergraduate programme will commence from AY 2026-2027 for UGVo6 programme. Multiple entry and multiple exit options for re-entry, accompanied by appropriate certifications feature of undergraduate **B.Sc. (HONOURS) PROGRAMME OFFERS VERTICAL MOBILITY AND FLEXIBILITY TO THE LEARNERS.**

RULES FOR OVERLAPPING END EXAMS AND RE-APPEARANCE

Applicable **Only** for **pursuing two Academic Programmes simultaneously**

1. If a student enrolled in more than one programme has two examinations of different courses scheduled at the same time on the same day (Overlap), the student may choose to appear for any one of the End Exam (EE) according to their preference. Students who miss the End Exam (EE) due to such an overlap may submit a written application for exam fee waiver (exemption) for the missed course(s) through the Learner Support Centre (LSC) to the Regional Center. They will be allowed to appear once for the End Exam (EE) during the next available End Exam (EE) session/event in the same academic year, without payment of an additional examination fee (since the exam fee has already been paid at the time of admission).
2. Even if a student is unable to appear for the End Exam (EE) any course(s) in the undergraduate or postgraduate programme in which they are enrolled, they may still enroll in the next year of the respective programme. Additionally, they may appear for the End Exam (EE) subsequently by submitting a re-examination application in accordance with the examination rules and regulations.
3. For End Exam Schedule and Session Time, Student has to 'Visit University Website'.

END EXAMINATION AND EVALUATION FEES

As per Finance committee subject no. 3 dated 27.03.2023 and Board of Management (BoM) resolution no. 187.3.20 dated 30.03.2023 the **Revised fees for the following services related to end examination and evaluation, are effective from 1st July 2023.**

SN	Description of Service	Fee in Indian Rupees₹ (Includes Postal Charges)
1	Re-registration fee	500.00
2	Course change fee	100.00
3	Profile change fee	300.00
4	Migration Certificate fee	400.00
5	Duplicate Statement of Marks (Marksheet)	200.00
6	Duplicate degree/ Diploma Certificate	400.00
7	Photocopy/Scan copy of Answer Sheets per copy by Email only	300.00
8	Verification of Marks (Per Subject)	100.00
9	Revaluation of Answer book per Subject	500.00
10	Transcript Certificate	
	(i) First Copy (Delivery in India)	1850.00
	(ii) For Outside India	2800.00
	(iii) For Every Additional Copy	400.00
11	Verification of Educational Documents	400.00
12	Medium of Instruction Certificate	400.00
13	Conversion Certificate	400.00
14	Admission Late fee	100.00
15	Admission Super Late fee	300.00
16	Repeater Student Exam Fees Per Subject (PG/Tech/Professional)	200.00
17	Repeater Student Practical/Studio Work Exam Fees	220.00 per Course (Subject)
18	Repeater Student Project work Exam Fees	330.00 per Course (Subject)
19	Study centre change fees	300.00
20	Bonafied fees	50.00
21	Repeater Student Continuous Assessment(CA)/HA Fee per Theory course (Academic Council Resolution No 67.4.1, dated 9 Apr 2025)	50.00

CONVOCATION

AWARD OF CERTIFICATION

After successful completion of all subjects at all semesters of the academic programme and only after student comply with the 'Certification Eligibility' specified for the academic programme, respective certification (like Diploma, UG Degree, PG Diploma, PG Degree, PhD) may be awarded, in person or absentia, during the next convocation. But, the application by the student for the convocation along with the payment for the specified "Convocation Fee" shall be necessary. For more information, visit [**here**](#).

MIGRATION CERTIFICATE

Do learners need to apply for a Migration Certificate?

Click the link below to fill online Migration Form available at University website

[Online Migration Form](#)

TRANSCRIPT

Do learners know the guidelines/Procedure for getting Transcript and Application Form for Transcript?

Click the link below to fill Application Form available at University website

[Online Transcript Form](#)

CONTACT US

WHOM TO CONTACT

University Contact Details

Yashwantrao Chavan Maharashtra Open University (YCMOU)

Dnyangangotri, Near Gangapur Dam, Nashik – 422 222, MH, India

Phone: 0253 – 2231473, 2231714, 2231715, 2230227, Fax: 0253-2231716

<http://ycmou.ac.in> || <http://ycmou.digitaluniversity.ac>

Admission Related Contact Details

Email ID: nondani@ycmou.digitaluniversity.ac

Contact No.: 0253-2230580, 0253-2230106, 0253-2231714, 0253-2231715

WhatsApp Chatbot No.: 9307579874

Mobile No.: 9307567182, 9272046725

1. As per the type of query, you may contact following sections / officers of the university.
2. **Always include following all details along with your query:**
 - a. Your Full Name
 - b. Your Student ID and Permanent Registration Number (PRN)
 - c. Your Programme Code and Name
 - d. Your LSC/ Study Center Code and Name

Contact Points at Study Centre and YCMOU

Type of Difficulties / Problems	Contact Points
Difficulties in any course and planning of academic activities at the Study Centre	The Counsellor / Coordinator or LSC/ Study Center Head at Study Centre
Registration Related Matters	Registration Head nondani@ycmou.digitaluniversity.ac Ph: (0253) 2230229, 9403774551
Student Services, LSC/ Study Centre Related Matters/ Grievances	Director, Student Service Division dir_ssd@ycmou.digitaluniversity.ac Ph: (0253) 2231487
Evaluation Related Matters / Grievances	Director, Evaluation dir_eval@ycmou.digitaluniversity.ac
Examination Conduction, Online Exam Form, etc Related Matters	Assistant Registrar , Examination Unit 3 Ph: (0253) 2230013 Result: result@ycmou.digitaluniversity.ac
Examination, result and convocation related Matters/ Grievances	The Controller of Examination , coe@ycmou.digitaluniversity.ac Ph: (0253) 2231479/2230058
Academic Matters / Grievances / LSC related Problems	Director, School of Sciences director.ast@ycmou.ac.in Ph : (0253) 2231473

REGIONAL CENTERS

Following table provides contact information of **8** regional centers of the university.

SN	Regional Center [For Districts]	Address	Contact Details
1	Amravati [Akola, Amravati, Buldhana, Yavatmal, Washim]	V.M.V to Walgaon Road, Post V.M.V, Amravati - 444604	(M): 9422247292 Off: 0721-2531445/0721-2531210 Fax: 0721-2531444 Email: rd_amravati@ycmou.digitaluniversity.ac
2	Chhatrapati Sambhajinagar [Chhatrapati Sambhajinagar, Beed, Jalna & Dharashiv]	Sr. No. 41, East side of Military Boys Hostel, Nandanvan Colony, Chhavni, Chhatrapati Sambhajinagar - 431002	(M): 9422247293 Off: 0240-2371066/0240-2371077 Fax: 0240-2371088 Email: rd_aurangabad@ycmou.digitaluniversity.ac
3	Mumbai [Mumbai city, Mumbai suburban, Thane, Raigad, Palghar]	C/O, Jagannath Shankarsheth Municipal School Buidling, 2 nd Floor, Fraier Bridge (South), Nana Chowk, Grant Road, Mumbai - 400007	(M): 9967834965 Off: 022-23874180/23874183/23874177 Fax: 022-23874187 Email: rd_mumbai@ycmou.digitaluniversity.ac
4	Nagpur [Nagpur, Bhandara, Gondia, Chandrapur, Gadchiroli, Wardha]	Ravbahadur D. Laxminarayan Bungalow, Vidyapith Krida Parisar, Law College Campus, Ravinagar Chowk, Nagpur - 440001	(M): 9422247295 Off: 0712-2553724 Fax: 0712-2553725 Email: rd_nagpur@ycmou.digitaluniversity.ac
5	Nashik [Nashik, Ahmednagar, Dhule, Jalgaon, Nandurbar]	Old Municipal Corporation Building, 2nd Floor, New Pandit Colony, Nashik – 422002	(M): 9422247297 Off: 0253-2317063 Fax: 0253-2576756 Email: rd_nashik@ycmou.digitaluniversity.ac
6	Pune [Pune, Satara, Solapur]	City Survey no.42/11, 12, 18 & 42/20, 21 Yashada Chowk, Balewadi, Pune-411045	(M): 9422247298 Off: 020-29993044/45 Fax: 020-24491107 Email: rd_pune@ycmou.digitaluniversity.ac
7	Kolhapur [Kolhapur, Sangli, Ratnagiri, Sindhudurg]	Shivaji University Campus, Near Post Office, Vidyanagar, Kolhapur - 461004	(M): 9422247294 Off: 0231-2607022 Fax: 0231-2607023 Email: rd_kolhapur@ycmou.digitaluniversity.ac
8	Nanded [Nanded, Latur, Parbhani, Hingoli]	Vasantrya Naik College, Old Building, Cidco road, Near by Jawaharlal Nehru M.S.W. College & Sunrise English Medium School, Cidco, New Nanded - 431603	(M): 9422247296 Off: 02462-229940 Fax: 02462-229950 Email: rd_nanded@ycmou.digitaluniversity.ac

LEARNER SUPPORT CENTERS (LSC) DETAILS

Learner Support Centers/ Study Centers details for all Programmes on offer and for withdrawn programmes are separately given in the document “School of Sciences Learner Support Centers (LSC) Details 2025” and already available at university website. The document “School of Sciences Learner Support Centers (LSC) Details” will be made available at university website.

UNIVERSITY CONNECT: KEY RESOURCES

Programme Related USEFUL URL		
1.	Syllabus	https://drive.google.com/drive/folders/13lNyj1PT7qN-AAAi2eE8fwDAsCQFWMQz?tid=oB451Yjwt_acQR1VPSUQ4Qotvams
2.	SLM- UG (NEP2020) UGVo1-UGVo6	https://drive.google.com/drive/folders/1_yc1-lyIP_P_QYNk7tx5BOxNYsv9ZfPc?tid=oB451Yjwt_acQR1VPSUQ4Qotvams
3.	SLM- PG (NEP2020) V151-V157	https://drive.google.com/drive/folders/oB451Yjwt_acQMDdOVU1QkQxTm8?tid=oB451Yjwt_acQR1VPSUQ4Qotvams&resourcekey=o-rTEVZrRqXDXIHKW-8IsA9w
4.	SLM V92	https://drive.google.com/drive/folders/1VEUbQFftE_7RnjYleG5IgPXG9S3HEdH2?tid=oB451Yjwt_acQR1VPSUQ4Qotvams
5.	SLM V100	https://drive.google.com/drive/folders/1wpoxiiohrAQxMliUmQcAyJ5z-oX72_Y4?tid=oB451Yjwt_acQR1VPSUQ4Qotvams
6.	SLM Audio	Will be made available soon
7.	SLM Video	Will be made available soon
8.	OJT Guidelines Booklet	https://drive.google.com/file/d/1xtCW5aAseEicPZGkTE3PQoCNxj-l5uW_/view?usp=drive_link
9.	FP Guidelines Booklet	https://drive.google.com/file/d/1PEqLwmgg8gUQBalubFUCVROoHGvPS8eW/view?usp=drive_link
10.	RP Guidelines Booklet	Will be made available soon
11.	Programme Scope/ Objectives/ Outcomes: Available in Curriculum & syllabus of programme	https://drive.google.com/drive/folders/13lNyj1PT7qN-AAAi2eE8fwDAsCQFWMQz?tid=oB451Yjwt_acQR1VPSUQ4Qotvams
Learner Support Center (LSC) Related USEFUL URL		
12.	Learner Support Center Details	https://ycmou.ac.in/media/post_image/SOS_Learner_Support_Centers_Details_2025_14-03-2026_F.pdf
13.	LSC Mannual and Application Form 2026	https://drive.google.com/drive/folders/1g5i6cWbT1XTFI2a7zFNpOFmAMPDTfJtE?usp=drive_link
14.	SOS LSC Manual & Application Form- Mini Equipments & Instruments List	https://drive.google.com/drive/folders/1g5i6cWbT1XTFI2a7zFNpOFmAMPDTfJtE?usp=drive_link

15.	Counselling Schedule	https://drive.google.com/drive/u/1/folders/16_RkYCuLn9g-52_WHDQbTbt6QFizeOO4?tid=0B451Yjw acQR1VPSUQ4Qotvams
Admission and Exam Related USEFUL URL		
16.	Admission link	https://www.ycmou.ac.in/admissions
17.	Examination Events (Information & Time Table)	https://ycmou.digitaluniversity.ac/Content.aspx?ID=846
18.	Examination Result	https://ycmou.ac.in/pages/index/222
19.	Home Assignment	https://ycmou.digitaluniversity.ac/Content.aspx?ID=1160
Student Services Related USEFUL URL		
20.	Student Service Division	https://ycmou.ac.in/student_services_division
21.	Migration	https://ycmou.digitaluniversity.ac/Content.aspx?ID=1049
22.	Transcript	https://ycmou.digitaluniversity.ac/Content.aspx?ID=1051
23.	Examination/ Result- Grievances	https://ycmou.digitaluniversity.ac/Content.aspx?ID=1067
24.	Student's Corner (For Add-On Services related to Admission And Examination Services)	https://ycmou.digitaluniversity.ac/Content.aspx?ID=845
Recognition Accorded by UGC - DEB		
25.	UGC-DEB : Programme Recognition Details (SN 44, Pg 47-49)	https://deb.ugc.ac.in/pdf/HomePageRecognitionDetail/140/140_upload_Re cognitionDetails_20260413125414.pdf

APPENDICES

APPENDIX 1: GR COPIES FOR LEARN & EARN SCHEME

यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ
आणि अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी
अॅड मॅनेजमेन्ट, ठाणे यांच्या संयुक्त विद्यमानाने
चालविण्यात येणा-या “शिका व कमवा” या
योजनेसाठी शासनाची मान्यता प्रदान
करण्याबाबत..

महाराष्ट्र शासन
उच्च व तंत्र शिक्षण विभाग
शासन निर्णय क्र. मान्यता-२०१७/(१८८/१७)/विशि-३
मादाम कामा रोड, हुतात्मा राजगुरु चौक,
मंत्रालय विस्तार भवन, मुंबई ४०० ०३२.
दिनांक : - १३ मार्च, २०१८.

- वाचा- १. शासन निर्णय उच्च व तंत्र शिक्षण विभाग क्र, टिईडी २०१०/(१४४/१०)/तांशि-५,
दि. २६ जुलै, २०१०.
२. संचालक, तंत्रशिक्षण महाराष्ट्र राज्य मुंबई यांचे पत्र क्र.१०/एनजीपी/शिका व
कमवा/२०१५/२७१, दि. १.४.२०१५ व क्र.१०/एनजीपी/शिका व कमवा/२०१५/४४६,
दि. १९.५.२०१५.
३. शासन निर्णय उच्च व तंत्र शिक्षण विभाग क्र, मान्यता-२०१४/(१४७/१४)/तांशि-५,
दि. २९ मे, २०१५.
४. कुलगुरु, यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ, नाशिक यांचे इरादा पत्र,
दि. ३० मार्च, २०१७.

प्रस्तावना :-

कुलगुरु, यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ, नाशिक यांनी दि. ३१ मार्च, २०१७ रोजी च्या पत्रान्वये अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी अॅड मॅनेजमेन्ट, ठाणे यांना काही अभ्यासक्रम सुरु करण्याचे इरादापत्र प्रदान केले आहे. सदर इरादा पत्रातील तरतूदीनुसार राज्यामध्ये यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठामार्फत चालविण्यात येणा-या पदविका स्तरावरील १. डिप्लोमा इन इशेन्शियल स्कील्स (Diploma in Essential Skills), २. डिप्लोमा इन बीझनेस स्कील्स (Diploma in Business Skills), आणि ३. डिप्लोमा इन इंडेस्ट्रीयल स्कील्स (Diploma in industrial Skills) हे तीन अभ्यासक्रम, अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी अॅड मॅनेजमेन्ट, ठाणे यांच्या संयुक्त विद्यमाने “शिका व कमवा” या उपक्रमांतर्गत राबविण्यात येणार आहेत.

केंद्र शासनाच्या स्किल इंडिया या अभियानांतर्गत अधिकाधिक कुशल कामगारांची निर्मिती करणे त्यासाठी नवनवीन कौशल्य प्रशिक्षण अभ्यासक्रम सुरु करण्यात येत आहेत. यापूर्वीच व्यवसायिक, रिटेल, औद्योगिक इ. क्षेत्रामध्ये काम करीत असलेल्या विद्यार्थ्यांना किंवा औद्योगिक क्षेत्रामध्ये सामावून घेणा-या प्रशिक्षणार्थ्यांना स्किल डेव्हलपमेंट या कार्यक्रमात सहभाग करून घेणे

क्रमप्राप्त ठरणार आहे. याकरीता सार्वजनिक क्षेत्र व खाजगी क्षेत्र यांनी आपापसात भागीदारी तत्वावर काम करणे आवश्यक आहे. ही बाब विचारात घेऊन यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ आणि अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी अँड मॅनेजमेन्ट, ठाणे यांच्या संयुक्त विद्यमाने “शिका व कमवा” ही योजना अंमलात येणार आहे. या योजनेअंतर्गत अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी अँड मॅनेजमेन्ट, ठाणे या संस्थेकडून काही नामवंत उद्योगांबरोबर सामंजस्य करार (MOU) केले जाणार आहेत. या माध्यमातून पदविका स्तरावरील अभ्यासक्रम राज्यभरात गरीब विद्यार्थ्यांना शिकत असताना on the job प्रशिक्षण देऊन त्यांना उद्योगधंदे व व्यवसायांमध्ये सामावून घेण्यात येणार आहे. या कालावधीत त्यांना विद्यावेतन देखील देण्यात येणार आहे. त्यामुळे गरीब विद्यार्थ्यांना मोफत पायाभुत स्वरूपाचे (Basic) उपयोजित तंत्र शिक्षण, कौशल्य शिक्षण, लेखा विषयक शिक्षण इत्यादी कौशल्यांची प्राप्ती होणार असून विद्यार्थ्यांना विद्यावेतन देखील प्राप्त होणार आहे. या उपक्रमांतर्गत येणारा संपूर्ण खर्च उपभोक्ता म्हणून उद्योजकांकडून सोसण्यात येणार आहे. त्यामुळे प्रत्यक्षात शासनावर कोणत्याही प्रकारचा आर्थिक भार पडणार नाही.

त्याच धर्तीवर यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ, नाशिक आणि अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी अँड मॅनेजमेन्ट, ठाणे यांच्या संयुक्त विद्यमाने चालविण्यात येणा-या “शिका व कमवा” या योजनेला शासनाचे सहकार्य देण्याबाबतचा प्रस्ताव शासनाच्या विचाराधीन होता. उक्त प्रस्तावाचा सर्वांगीण विचार करून शासन खालीलप्रमाणे निर्णय घेत आहे.

शासन निर्णय :-

यशवंतराव चव्हाण मुक्त विद्यापीठ आणि अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी अँड मॅनेजमेन्ट, ठाणे यांच्या दरम्यान “शिका व कमवा” या उपक्रमांतर्गत पदविका स्तरावरील प्रशिक्षणाकरिता १. डिप्लोमा इन इशेन्शियल स्कील्स (Diploma in Essential Skills), २. डिप्लोमा इन बीझनेस स्कील्स (Diploma in Business Skills), आणि ३. डिप्लोमा इन इंडेस्ट्रीयल स्कील्स (Diploma in industrial Skills) हे तीन अभ्यासक्रम राबविण्यासाठी विद्यापीठाने सदर संस्थेस दिलेल्या इरादापत्रास शासनाची मान्यता प्रदान करण्यात येत आहे.

२. ही शासन मान्यता खालील अटी व शर्तीच्या अधिन राहून देण्यात येत आहे :-
१) “शिका व कमवा” या उपक्रमांतर्गत सहभाग असलेल्या सर्व विद्यार्थ्यांना on the job training (कामावर असतानाचे प्रशिक्षण) उद्योग व व्यवसाय मध्ये देण्यात येते. सदर शिक्षण पूर्ण झाल्यानंतर त्यांना पदविका प्रमाणपत्र यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठामार्फत देण्यात येणार आहे. ही बाब विचारात घेऊन, प्रशिक्षणार्थींना “Apprenticeship Act, १९६१” मधील तरतूदीचे तंतोतंत पालन करण्याच्या अटीच्या अधिन राहून अभ्यासक्रमाच्या कालावधीत Apprentice म्हणून संबोधण्यात यावे.

- २) उक्त प्रशिक्षणार्थीचा प्रशिक्षणाचा कालावधी २ वर्षांपलिकडे जाणार नाही याची काळजी विद्यापीठाने घ्यावी. तसेच विद्यार्थ्यांना “Apprenticeship Act, १९६१” मधील तरतूदीनुसार अनुज्ञेय ठरविलेले किमान विद्यावेतन किंवा उद्योजक यापेक्षा जास्त विद्यावेतन देऊ इच्छित असेल तर ते विद्यावेतन संबंधित उद्योजक यांकडून देण्यात यावे.
- ३) विद्यार्थ्यांसाठी साधन सामग्री, पाठ्यपुस्तके व साहित्य इत्यादी आणि प्रशिक्षणावरील इतर सर्व खर्चाचा भार ज्या उद्योगांच्या कारखान्यामध्ये विद्यार्थी प्रशिक्षण घेत असतील त्या उद्योजक आस्थापना किंवा अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी अँड मॅनेजमेन्ट, ठाणे हे सोसतील.
- ४) सर्व सहभागी विद्यार्थ्यांचा विमा उतरविण्यात यावा तसेच त्यांच्या सुरक्षितता व वैद्यकीय देखभाली संदर्भात आवश्यक त्या उपाययोजना कराव्यात.
- ५) उपलब्ध सुविधांचा विचार करुन या योजनेमध्ये सहभागी होण्याचा निर्णय विद्यापीठाच्या सहमतीने घेण्याची मुभा अन्य संस्थांना राहिल. यासाठी संस्थांनी आवश्यकतेनुसार अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी अँड मॅनेजमेन्ट, ठाणे या संस्थेशी स्वतंत्र करारनामा करावा.
- ६) या अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी अँड मॅनेजमेन्ट, ठाणे संस्थेच्या पदाधिका-यांकडून चांगल्या वर्तणूकीची हमी घेण्यात यावी. तसेच सदर अभ्यासक्रमांचा दर्जा व गुणवत्ता ही अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी अँड मॅनेजमेन्ट, ठाणे यांच्यामार्फत उत्तम राखली जाईल याची खात्री विद्यापीठाने करावी व तिचे संनियंत्रण करावे. गैरव्यवहार, दर्जा न राखणे या व अशा अन्य स्वरुपाच्यया योग्य (Valid) कारणांसाठी हे अभ्यासक्रम राबविण्यास दिलेली मान्यता रद्द करण्याचे अधिकार शासनास राहतील.
- ७) या सुविधा यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ, नाशिक यांच्यामार्फत अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी अँड मॅनेजमेन्ट, ठाणे या संस्थेस अभ्यासक्रम चालविण्यासाठी दिलेल्या मान्यतेच्या कालावधीपुरत्या मर्यादित राहतील.
- ८) या अभ्यासक्रमांच्या मान्यतेच्या/कार्यपद्धतीच्या अनुषंगाने भविष्यात काही गुंतागुंत झाल्यास/ न्यायालयीन प्रकरण उद्भवल्यास त्याची संपूर्ण जबाबदारी यशवंतराव चव्हाण मुक्त विद्यापीठची राहिल.
- ९) शासनास आवश्यक असेल त्यावेळी शासनकडून नवीन अटी व शर्ती घालण्यात येतील.
- १०) वरील सर्व अटी व शर्ती मान्य असल्याचे बंधनपत्र संस्थेने विद्यापीठास तसेच शासनास सादर करणे आवश्यक राहिल.

३. सदर शासन निर्णय, महाराष्ट्र शासनाच्या www.maharashtra.gov.in या संकेतस्थळावर उपलब्ध करण्यात आला असून त्याचा संकेतांक क्रमांक २०१८०३१३१७५११९७७०८ असा आहे. हा आदेश डिजीटल स्वाक्षरीने साक्षात्कृत करून काढण्यात येत आहे.

महाराष्ट्राचे राज्यपाल यांच्या आदेशानुसार व नावाने,

Sanjay A.
Dharurkar

Digitally signed by Sanjay A. Dharurkar
DN: c=IN, o=Government Of Maharashtra,
ou=Higher and Technical Education Department,
postalCode=400032, st=Maharashtra,
2.5.4.20=6371458293d6d5c713e94eida7bc6bae
28011488b7564d138630b9c76ae7a2, cn=Sanjay
A. Dharurkar
Date: 2018.03.13 17:53:05 +05'30'

(सं. औ. धारुरकर)

अवर सचिव, महाराष्ट्र शासन

प्रति,

१. कुलगुरु, यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ, नाशिक.
२. संचालक, उच्च शिक्षण, पुणे.
३. संचालक, तंत्र शिक्षण संचालनालय, महाराष्ट्र राज्य, मुंबई.
४. संचालक, व्यवसाय शिक्षण व प्रशिक्षण, मुंबई.
५. संचालक, महाराष्ट्र राज्य तंत्रशिक्षण मंडळ, वांद्रे(पू) मुंबई.
६. मा. मंत्री (उ.व. तं. शि.) यांचे विशेष कार्यकारी अधिकारी, मंत्रालय, मुंबई.
७. मा. अप्पर मुख्य सचिव, उच्च व तंत्र शिक्षण विभाग यांचे स्वीय सहाय्यक.
८. श्री. सुधीर दिक्षीत, अध्यक्ष, अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी अँड मॅनेजमेन्ट, ६०१, पॅराडाइज टॉवर, ठाणे (पश्चिम) ४०० ६०१.
९. निवड नस्ती..

APPENDIX 2: UGC RECOGNITION (1992)

APPENDIX 1	
APPENDIX 1.1 : LETTER OF RECOGNITION FROM UGC	
UNIVERSITY GRANTS COMMISSION BAHADUR SHAH ZAFAR MARG NEW DELHI-110002.	
NO. F.5-15/89 (OPP-I)	December, 1992
The Secretary Govt. of Maharashtra Higher and Technical Education and Employment Deptt. Mantralaya Annexe <u>Bombay- 400032</u>	
Sub : Recognition of Yashwantrao Chavan Maharashtra Open University, Nashik for Central assistance under Section 12-B of the UGC Act, 1956.	
Sir.	
With reference to the correspondence resting with your letter No. MOJ/ 63003 (241/92) UNI dated 11 th November, 1992 on the above subject, I am to say that the University Grants Commission has agreed to declare the Yashwantrao Chavan Maharashtra Open University Nashik established under Maharashtra State Act No. XX of 1989, fit to receive Central assistance for all purposes including Institutional development in terms of the rules framed under Section 12-B of the UGC Act, 1956.	
The receipt of the letter may please be acknowledged.	
Yours faithfully.	
Sd/xxx (I J GUPTA) JOINT SECRETARY	
Copy to: -	
1. The Vice - Chancellor, Yashwantrao Chavan Maharashtra Open University, Nashik-422005.	
2. Secretary to the Govt. of India, Ministry of Human Resource Development (Deptt. of Education) New Delhi.	
3. The Registrar, Indira Gandhi National Open University, Maidan Garhi, New Delhi- 110068.	
4. The Secretary, Association of Indian Universities, 16, Kotla Marg, New Delhi- 110002.	
5. Desk Officer (Meeting) / S.O.FD-III/S.O.SU-II/S.S.O.-I, Stat, U.G.C. New Delhi.	
6. All Officers /Sections, UGC New Delhi.	
Sd/- (D. D. Mehta) SECTION OFFICER	

APPENDIX 3 : UGC EQUIVALENCE LETTER (2004)

 ज्ञान-विज्ञानं विमुक्तये	विश्वविद्यालय अनुदान आयोग बहादुरशाह जफर मार्ग नई दिल्ली - ११०००२ UNIVERSITY GRANTS COMMISSION BAHADURSHAH ZAFAR MARG NEW DELHI-110002
F1-52/2000(CPP-II)	5 MAY 2004
The Registrar / Director Of all the Indian Universities (Deemed, State, Central Universities / Institutions of National importance)	
Subject : Recognition of Degrees awarded by Open Universities.	
Sir/Madam, There are a number of open Universities in the country offering various degrees/diploma through the mode of non-formal education. The Open Universities have been established in the country by an Act of Parliament or State Legislature in accordance with the provisions contained in Section 2(f) of University Grants Commission Act, 1956. These universities are, therefore, empowered to award degrees in terms of Section 22(1) of the UGC Act, 1956. A circular was earlier issued vide UGC letter N.F.1-8/92(CPP) dated February, 1992 mentioning that the Certificate, Diplomas and Degrees awarded by Indira Gandhi National Open University are to be treated equivalent to the corresponding awards of the Universities in the country. Attention is further invited to UGC circular No.F1-25/93(CPP-II) dated 28 th July, 1993 (copy enclosed) for recognition of degrees and diplomas as well as transfer of credit for courses successfully completed by students between the two types of universities so that the mobility of students from Open University stream to traditional Universities is ensured without any difficulty. The UGC has specified the nomenclature of degrees under Section 22(3) of the UGC Act, 1956 to ensure mandatory requirements viz. minimum essential academic inputs required for awarding such degrees. A copy of Gazette Notification regarding specification of degrees issued vide No.1-52/97(CPP-II) dated 31 st January 2004 is enclosed. The details are also given in UGC Web site : www.ugc.ac.in May, I therefore request you to treat the Degrees / Diploma / Certificates awarded by the Open Universities in conformity with the UGC notification on Specification of Degrees as equivalent to the corresponding awards of the traditional Universities in the country.	
Yours faithfully (Dr. Mrs. Pankaj Mittal) Joint Secretary	
Encl. : As Above Copy to : 1. The Secretary, Government of India, Ministry of Human Resource Development, Department of Secondary Education and Higher Education, Shastri Bhavan, New Delhi-110001. 2. The Secretary, All India Council for Technical Education, I.G. Sports Complex, Indraprastha Estate, New Delhi-110002. 3. The Secretary, Association of Indian Universities (AIU), 16, Comrade Inderjit Gupta Marg (Kotla Marg), New Delhi-110002. 4. The Secretary, National Council for Teacher Education, I.G. Stadium, I. P. Estate, New Delhi-110002. 5. The Director of Distance Education Council, IGNOU Campus, Maidan Garhi, New Delhi-110068. 6. The Vice-Chancellor, Indira Gandhi National Open University, Maidan Garhi, New Delhi-110068. 7. The Vice-Chancellor, Dr. B. R. Ambedkar Open University, Road, No. 46, Jubilee Hills, Hyderabad-500033. (AP) 8. The Vice-Chancellor, Nalanda Open University, West Gandhi Maidan, Patna-800001 (Bihar) 9. The Vice-Chancellor, Dr. Babasaheb Ambedkar Open University, Shahigaug, Ahmedabad-380003 (Gujarat) 10. The Vice-Chancellor, Karnataka State Open University, Manasagangotri, Mysore-570006 (Karnataka) 11. The Vice-Chancellor, Yashwantrao Chavan Maharashtra Open University, Nashik-422222 (Maharashtra) 12. The Vice-Chancellor, Kota Open University, Vardhaman Mahaveer Open University, Kota-324010 (Rajasthan) 13. The Vice-Chancellor, Netaji Subhash Open University, Kolkata-700020 (West Bengal) 14. The Vice-Chancellor, Madhya Pradesh Bhoj (Open) University, Bhopal-462016 (M.P.)	
(V.K. Jaiswal) Under Secretary	

APPENDIX 4 : GOVERNMENT OF MAHARASHTRA GR (1995)

मुक्त विद्यापीठाच्या पदव्यांना समकक्षता व शासनमान्यता

(१) अन्य विद्यापीठांच्या पदवीशी समकक्षता

मा. शिक्षण संचालक (उच्च शिक्षण) महाराष्ट्र राज्य यांच्या पत्र क्र. समक (उ. शि.)/१०९४/३२८६९/मवि-१, दि. ३० ऑक्टोबर १९९५ च्या पत्रान्वये 'केंद्रीय किंवा राज्य विधिमंडळाने अधिनियमाद्वारे भारतातील विद्यापीठाने दिलेली पदवी/पदविका आणि संसदेने अधिनियमाद्वारे इतर शैक्षणिक संस्था प्रस्तावित केलेल्या आहेत किंवा विद्यापीठ अनुदान आयोग अधिनियम (१९५६) मधील कलम क्र. ३ अन्वये मानीव विद्यापीठे घोषित केली आहेत अशांच्या बाबतीत पदवी किंवा पदविका मान्यता देण्याबाबतचे औपचारिक आदेश विद्यापीठाने काढण्याची आवश्यकता नाही'.

यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ हे महाराष्ट्र राज्याच्या विधिमंडळाने अधिनियमाद्वारे (कायदा क्र. २०/१९८९) स्थापन केलेले विद्यापीठ असून त्यास विद्यापीठ अनुदान आयोगाचीही मान्यता आहे. त्यामुळे या विद्यापीठाची पदवी इतर विद्यापीठांच्या पदवीशी समकक्ष आहे.

(२) विद्यापीठ अनुदान आयोगाची मान्यता

विद्यापीठ अनुदान आयोग, नवी दिल्ली यांनी त्यांचे पत्र क्र. F/S-15/89 (CPP-1) दि. ८ डिसेंबर १९९२ नुसार विद्यापीठ अनुदान आयोगाच्या १९५६ च्या कायद्यातील कलम १२-बी अन्वये यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठास मान्यता दिली आहे.

(३) महाराष्ट्र लोकसेवा आयोगाची मान्यता

उपसचिव व परीक्षा नियंत्रक, महाराष्ट्र लोकसेवा आयोग, मुंबई यांच्या पत्र क्र. १४७७ (१७/१९९४/कक्ष) दि. १७ फेब्रुवारी १९९४ च्या पत्रातील मान्यतेसंबंधीचा मजकूर - 'यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ हे संविधिमान्य (Statutory) असल्यामुळे आपल्या विद्यापीठाच्या पदवीधर विद्यार्थ्यांकडून आलेले अर्ज देखील इतर मान्यताप्राप्त विद्यापीठांच्या पदवीधर उमेदवारांकडून आलेल्या अर्जांप्रमाणेच आयोगाकडून विचारात घेतले जातील'.

मुक्त विद्यापीठाच्या पदवी/पदविकांना महाराष्ट्र शासनमान्यता

विद्यापीठ अनुदान आयोगाने मान्यता दिलेली विद्यापीठे

राज्य सेवेतील पदासाठी पदवी/पदविकास मान्यता

महाराष्ट्र शासन

सामान्य प्रशासन विभाग

शासन निर्णय : क्रमांक आरजीडी-१३९४/प्र.क्र. २१/९४/१३, मंत्रालय, मुंबई
४०००३२, दिनांक ८ मार्च १९९५

वाचा : (१) सामान्य प्रशासन विभाग, शासन निर्णय क्रमांक आरजीडी-१०६१/१८९६७/११४ - जे दिनांक २१ ऑगस्ट १९६९

शासन निर्णय : महाराष्ट्र लोक सेवा आयोगाशी विचार विनिमय करून उपरोक्त दिनांक २१ ऑगस्ट १९६९ च्या आदेशाद्वारे असा निर्णय घेण्यात आला होता की, केंद्र अथवा राज्य विधिमंडळाच्या अधिनियमाद्वारे स्थापित झालेली विद्यापीठे, संसदेच्या अधिनियमाद्वारे स्थापन झालेल्या इतर शैक्षणिक संस्था, किंवा विद्यापीठ अनुदान आयोग अधिनियम, १९५६ च्या अंतर्गत भाग ३ अन्वये जाहीर झालेली मानवी विद्यापीठे यांनी प्रदान केलेल्या पदव्या / पदविका तसेच भारतीय वैद्यकीय मंडळ अधिनियम, १९५६ च्या परिशिष्टांमध्ये अंतर्भूत केलेल्या वैद्यकीय व संलग्न विषयामधील पदव्या यांना शासकीय महाविद्यालयातील अध्यापकीय पदे वगळता, राज्यातील सेवा व पदांवरील भरतीसाठी आपोआप मान्यता प्राप्त झाली असल्याचे समजण्यात यावे.

(२) सदर आदेशासोबत विद्यापीठ अनुदान आयोगाने मान्यता दिलेल्या वैधानिक विद्यापीठे व संस्थांची यादी जोडण्यात आली होती. आयोग मान्यताप्राप्त विद्यापीठे व संस्था यांची अद्ययावत यादी आता या आदेशासोबत जोडण्यात आली आहे. शासन निर्णय, सामान्य प्रशासन विभाग, क्रमांक आरजीडी - १०६१/१८९६७/११४/जे दिनांक २१ ऑगस्ट १९६९ मध्ये नमूद केलेल्या आणि वर परिच्छेद १ मध्ये उद्धृत केलेल्या हेतूसाठी सदर सर्व विद्यापीठे/संस्था यांनी प्रदान केलेल्या पदवी/पदविकांना आपोआप मान्यता देण्यात आल्याचे समजण्यात यावे.

महाराष्ट्रचे राज्यपाल यांच्या आदेशानुसार व नावाने

दा. र. राणे

अवर सचिव, महाराष्ट्र शासन

प्रति,

- (१) राज्यपालांचे सचिव
- (२) मुख्य मंत्र्यांचे सचिव
- (३) सचिव, महाराष्ट्र लोकसेवा आयोग, मुंबई
- (४) महालेखापाल, महाराष्ट्र-१, मुंबई
- (५) महालेखापाल, महाराष्ट्र -२, मुंबई
- (६) निवासी लेखा परीक्षा अधिकारी, मुंबई
- (७) अभिदान व लेखा अधिकारी, मुंबई
- (८) प्रबंधक, उच्च न्यायालय (मूळ न्याय शाखा), मुंबई
- (९) प्रबंधक, उच्च न्यायालय (अपील शाखा), मुंबई
- (१०) प्रबंधक, लोक आयुक्त व उप लोक आयुक्त यांचे कार्यालय, मुंबई
- (११) सर्व मंत्रालयीन शिक्षण
- (१२) मंत्रालयीन विभागांच्या नियंत्रणाच्या नियंत्रणाखालील सर्व विभाग प्रमुख व कार्यालय प्रमुख
- (१३) अवर सचिव, भारत सरकार, शिक्षण मंत्रालय, नवी दिल्ली
- (१४) निवड नस्ती

वाचा : महाराष्ट्र शासनाच्या उपरोक्त शासन निर्णय क्रमांक आर.जी.डी. १३९४/प्र.क्र.२१/९४/१३ मंत्रालय, मुंबई. दिनांक ८ मार्च १९९५ च्या सोबत जोडलेल्या यादीमध्ये यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ, नाशिक यांची अनुक्रमांक १४६ वर नोंद करण्यात आलेली आहे.

APPENDIX 5: ADMISSION FOR MORE THAN 1 PROGRAMME

https://www.ugc.gov.in/pdfnews/9651619_LETTER-GUIDELINES-FOR-PURSUING-TWO-ACADEMIC-PROGRAMMES-SIMULTANEOUSLY.pdf



प्रो. रजनीश जैन
सचिव

Prof. Rajnish Jain
Secretary



सत्यमेव जयते

विश्वविद्यालय अनुदान आयोग
University Grants Commission

(शिक्षा मंत्रालय, भारत सरकार)
(Ministry of Education, Govt. of India)

बहादुरशाह जफ़र मार्ग, नई दिल्ली-110002
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E-mail : secy.ugc@nic.in

D.O.No.1-6/2007 (CPP-II)(New)

13th April, 2022

Respected Madam/ Sir,

The National Education Policy - NEP 2020 states that pedagogy must evolve to make education more experiential, holistic, integrated, inquiry-driven, discovery-oriented, learner-centred, discussion-based, flexible, and, of course, enjoyable. The policy envisions imaginative and flexible curricular structures to enable creative combinations of disciplines for study, that would offer multiple entry and exit points, thus, removing currently prevalent rigid boundaries and creating new possibilities for life-long learning and centrally involve critical and interdisciplinary thinking.

With the rapid increase in demand for higher education and limited availability of seats in regular stream, several Higher Education Institutions (HEIs) have started a number of programmes in Open and Distance Learning (ODL) mode to meet the aspirations of students. It has also led to the emergence of online education programmes which a student can pursue within the comforts of her / his home. The issue of allowing the students to pursue two academic programmes simultaneously has been examined by the Commission keeping in view the provisions envisaged in the National Education Policy - NEP 2020 which emphasizes the need to facilitate multiple pathways to learning involving both formal and non-formal education modes.

In view of above, UGC has framed the guidelines for pursuing two academic programmes simultaneously which are attached herewith.

All the universities and their affiliated colleges/institutions are requested to implement these guidelines for the benefit of the students.

With kind regards,

Yours sincerely,

(Rajnish Jain)

To
The Vice-Chancellors of all Universities
The Principals of all Colleges/Institutes

https://www.ugc.gov.in/pdfnews/5729348_Guidelines-for-pursuing-two-academic-programmes-simultaneously.pdf

Guidelines for Pursuing Two Academic Programmes Simultaneously



**University Grants Commission
Bahadur Shah Zafar Marg
New Delhi**

April, 2022

Guidelines for Pursuing Two Academic Programmes Simultaneously

Background

The National Education Policy - NEP 2020 states that pedagogy must evolve to make education more experiential, holistic, integrated, inquiry-driven, discovery-oriented, learner-centred, discussion-based, flexible, and, of course, enjoyable. The policy envisions imaginative and flexible curricular structures to enable creative combinations of disciplines for study, that would offer multiple entry and exit points, thus, removing currently prevalent rigid boundaries and creating new possibilities for life-long learning and centrally involve critical and interdisciplinary thinking.

With the rapid increase in demand for higher education and limited availability of seats in regular stream, several Higher Education Institutions (HEIs) have started a number of programmes in Open and Distance Learning (ODL) mode to meet the aspirations of students. It has also led to the emergence of online education programmes which a student can pursue within the comforts of her / his home. The issue of allowing the students to pursue two academic programmes simultaneously has been examined by the Commission keeping in view the proposals envisaged in the National Education Policy - NEP 2020 which emphasizes the need to facilitate multiple pathways to learning involving both formal and non-formal education modes.

In view of above, UGC has framed the following Guidelines.

Objectives

To allow the students to pursue two academic programmes simultaneously keeping in view the following objectives envisaged in NEP 2020:

- recognizing, identifying, and fostering the unique capabilities of each student, by sensitizing teachers as well as parents to promote each student's holistic development in both academic and non-academic spheres;
- no hard separations between arts and sciences, between curricular and extra-curricular activities, between vocational and academic streams, etc. in order to eliminate harmful hierarchies among, and silos between different areas of learning;

- multidisciplinary and a holistic education across the sciences, social sciences, arts, humanities, and sports for a multidisciplinary world in order to ensure the unity and integrity of all knowledge;
- enabling an individual to study one or more specialized areas of interest at a deep level, and also develop character, ethical and constitutional values, intellectual curiosity, scientific temper, creativity, spirit of service.
- offering the students, a range of disciplines including sciences, social sciences, arts, humanities, languages, as well as professional, technical, and vocational subjects to make them thoughtful, well-rounded, and creative individuals.
- preparing students for more meaningful and satisfying lives and work roles and enable economic independence.

Guidelines

1. A student can pursue two full time academic programmes in physical mode provided that in such cases, class timings for one programme do not overlap with the class timings of the other programme.
2. A student can pursue two academic programmes, one in full time physical mode and another in Open and Distance Learning (ODL)/Online mode; or up to two ODL/Online programmes simultaneously.
3. Degree or diploma programmes under ODL/Online mode shall be pursued with only such HEIs which are recognized by UGC/Statutory Council/Govt. of India for running such programmes.
4. Degree or diploma programmes under these guidelines shall be governed by the Regulations notified by the UGC and also the respective statutory/professional councils, wherever applicable.
5. These guidelines shall come into effect from the date of their notification by the UGC. No retrospective benefit can be claimed by the students who have already done two academic programmes simultaneously prior to the notification of these guidelines.

The above guidelines shall be applicable only to the students pursuing academic programmes other than Ph.D. programme.

Based on the above guidelines, the universities can devise mechanisms, through their statutory bodies, for allowing their students to pursue two academic programmes simultaneously as mentioned above.

APPENDIX 6: MANDATORY CREATION OF DEB-ID FOR ENROLLING STUDENTS IN ODL/ONLINE PROGRAMMES

DEB ID is a unique ID that is to be mandatorily created by the learner who wishes to get admission in ODL/Online Programme.

Accordingly, students shall register on UGC-DEB webportal with his/her Academic Bank of Credit (ABC)-ID to generate a unique DEB-ID which will be mandatory to enroll in ODL/Online programmes in recognized/entitled HEIs from academic year 2024-25.

For more details click **[here](#)**.

APPENDIX 7: MANDATORY COMPLETION OF CYBER SECURITY AUDIT COURSE FOR ALL UG AND PG PROGRAMME

Cyber Security Course (UG)-English (CSC101)

Component	Details
Course Title	Cyber Security Course (UG)
Course Code	CSC101
Mode of Delivery	Online – LMS Based (Self-learning modules, activities, assessments)
Language	English
Target Audience	Undergraduate Students (All Streams)
Assessment Pattern	Continuous Assessment (CA): 15 Marks University Assessment (UA): 35 Marks
Total Marks	50
Final Exam	Online MCQ Examination through LMS (Multiple Attempts)
Portal Link	https://cs.ycmouonline.ac.in/
Login Credentials	User ID: Student PRN Number Password: cs123
Course Objectives	1. To introduce basic concepts of cyber security and cyberspace. 2. To create awareness about cybercrimes and legal remedies. 3. To educate students on safe use of social media and digital payments. 4. To develop responsible digital behaviour and cyber hygiene.
Course Outcomes	1. Understand core concepts of cyber security and cyber threats. 2. Identify common cybercrimes and reporting mechanisms. 3. Apply best practices for social media and digital payment security. 4. Secure personal computers and mobile devices effectively.
Course Access Procedure	1. Visit the portal https://cs.ycmouonline.ac.in/ 2. Login using PRN and password (cs123) 3. Change password after first login 4. Continue → My Courses 5. Open Cyber Security Course
Important Instructions	• Course completion is mandatory before final exam • Internet connectivity required • Mobile: Minimum 4G • Laptop/Desktop: Minimum 600 Kbps

Cyber Security Course (PG)-English CSC103

Component	Details
Course Title	Cyber Security Course (PG)
Course Code	CSC103
Credits	As per University Scheme
Mode of Delivery	Online – LMS Based (Self-learning modules, activities, assessments)
Language	English
Target Audience	Postgraduate Students
Assessment Pattern	Continuous Assessment (CA): 15 Marks University Assessment (UA): 35 Marks
Total Marks	50
Final Exam	Online MCQ Examination(Multiple Attempts)
Portal Link	https://cs.ycmouonline.ac.in/
Login Credentials	User ID: Student PRN Number Password: cs123
Course Objectives	1. To develop advanced understanding of cyber security threats and attacks. 2. To study cyber laws, compliance, and governance frameworks. 3. To understand data privacy and data protection regulations. 4. To build competency in cyber security audit and risk assessment.
Course Outcomes	1. Analyse cyber threats and attack mechanisms. 2. Apply cyber laws and compliance requirements. 3. Understand data privacy frameworks and regulations. 4. Design basic cyber security policies and audit controls.
Course Access Procedure	1. Visit the portal https://cs.ycmouonline.ac.in/ 2. Login using PRN and password (cs123) 3. Change password after first login 4. Continue → My Courses 5. Open Cyber Security Course
Important Instructions	• Course completion mandatory before final exam • Stable internet required • Mobile: Minimum 4G • Laptop/Desktop: Minimum 600 Kbps



प्रो. रजनीश जैन
सचिव
Prof. Rajnish Jain
Secretary



विश्वविद्यालय अनुदान आयोग
University Grants Commission

(शिक्षा मंत्रालय, भारत सरकार)
(Ministry of Education, Govt. of India)

बहादुरशाह जफर मार्ग, नई दिल्ली-110002
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D.O.No.F.1-42/2022(e.Gov)

17th October, 2022

Subject: Regarding the implementation of Syllabus of Cyber Security Course at Undergraduate and Post Graduate level.

Respected Madam/Sir,

On the occasion of Cyber Jaagrookta Diwas, 06th October, 2022, the University Grants Commission (UGC) launched the Syllabus of Cyber Security Course at Undergraduate and Post Graduate levels (https://www.ugc.ac.in/e-book/Cyber_Security/mobile/index.html).

The syllabus aims to create more aware, responsive and responsible digital citizens, thereby contributing effectively to an overall healthy cyber security posture and ecosystem.

In view of the importance of cyber security and for propagating cyber hygiene amongst HEIs, you are requested to take necessary steps for implementation of the Syllabus of Cyber Security Course at Undergraduate and Post Graduate level in all the streams of your esteemed University and also in the affiliated/constituent Colleges.

With kind regards,

Yours sincerely,

(Rajnish Jain)

To

- The Vice-Chancellors of all Universities
- The Principals of all Colleges

https://www.ugc.gov.in/pdfnews/5458124_Cyber-Security_001.pdf

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