



1. Which nutrient is most likely to leach from soil due to heavy rainfall?

- a. Nitrogen
- b. Phosphorus
- c. Potassium
- d. Calcium

2. Which of the following is a leguminous cover crop?

- a. Rye
- b. Oats
- c. Centrosema
- d. Sudangrass

3. What is the gestation period of cattle?

- a. 250 days
- b. 150 days
- c. 280 days
- d. 300 days

4. Which of the following breeds of buffalo produces 5-7 kg of milk per day?

- a. Philippine Buffalo
- b. Thai Buffalo
- c. Murrah
- d. Surti

5. What is the scientific name of makopa?

- a. Diospyros discolor
- b. Passiflora edulis
- c. Punica granatum
- d. Syzygium samarangense

6. The association of fungi and the roots of the plants is called _____

- a. Rizosphere
- b. Lichens
- c. Arbuscules
- d. Mycorrhiza

7. What region is the major producer of mango in the Philippines?

- a. Central Luzon
- b. CARAGA
- c. Ilocos Region
- d. Western Visayas

8. Which microorganisms cause tetanus?

- a. Clostridium
- b. Leptospirosis
- c. Bacillus
- d. Trypanosoma

9. Who developed the mutant Makapuno hybrid?

- a. Claire Baltazar
- b. Ramon Barba
- c. Lilia Patena
- d. Emerita de Guzman

10. What is the dominant basic cation in agricultural soil?

- a. Potassium (K)
- b. Manganese (Mn)
- c. Sodium (Na)
- d. Calcium (Ca)

11. The first banana company in the Philippines to obtain an ISO certification is _____

- a. Del Monte
- b. Lapanday
- c. Dole
- d. DAVCO

12. Which theory refers to an extrinsic random variable that does not directly affect economic fundamentals?

- a. Love Generation Theory
- b. Development Economics Theory
- c. Sunspot Theory
- d. Ergonomics and Econometric Theory

13. What breed of dairy cattle is suitable for Philippine conditions?

- a. Murrah
- b. Brahman
- c. Jersey
- d. Angus

15. What fruit produces hollow sounds when thumped, indicating its maturity?

- a. Cucurbita maxima
- b. Citrullus lanatus
- c. Cucumis sativus
- d. Sechium edule

16. Method of artificial plant propagation when rootstock and scion are made to unite while both of them are still growing on their own roots.

- a. Marcotting
- b. Layering
- c. Grafting
- d. Inarching

17. The most effective desiccant for seed storage and therefore requires the smallest amount is:

- a. Silica gel
- b. Charcoal
- c. Wood ash
- d. Lime

18. To produce 1 kilogram of rice, how many liters does the rice plant need in its lifetime?

- a. 4,000 L
- b. 5,000 L
- c. 7,000 L
- d. 6,000 L

19. Two piggery farms are opposite each other separated only by a small street. To prevent the entry and transfer of disease-causing microorganisms from one piggery farm to another, what is the primary action that the farm owners should consider?

- a. Quarantine
- b. Planting of windbreaks
- c. Foot bath at the entrance of the farm
- d. Sanitation

20. Which of the following insects are wingless?

- a. Silverfish
- b. Leafhoppers
- c. Damselflies
- d. Termites

21. The integrated approach believes in the principle of _____.

- a. Autonomy
- b. Democracy

23. Which of the following does not belong to the group? SPANISHFLY, HOUSEFLY, COPRA BEETLE, COCONUT BEETLE

- a. SPANISHFLY
- b. COCONUT BEETLE
- c. HOUSEFLY
- d. COPRA BEETLE

24. The following can be used as cover crops except?

- a. Rye
- b. Kudzu
- c. Centrosema
- d. Cotton

25. What is the primary purpose of soil conservation practices?

- a. Improve soil fertility
- b. Reduce soil erosion
- c. Increase water retention
- d. Enhance plant growth

26. Which of the following is a method of irrigation where water is applied directly to the plant roots?

- a. Surface irrigation
- b. Drip irrigation
- c. Sprinkler irrigation
- d. Flood irrigation

27. Which of the following is not a method of soil testing?

- a. Soil pH test
- b. Soil moisture test
- c. Soil texture analysis
- d. Soil color assessment

28. Which of the following is the best method for controlling soil erosion?

- a. Contour plowing
- b. Tillage
- c. Subsoiling
- d. Crop rotation

29. The major benefit of using organic fertilizers compared to chemical fertilizers is:

- a. Faster nutrient release
- b. Enhanced soil microbial activity
- c. Lower cost

31. In which of the following conditions is tillage most beneficial?

- a. Wet and clayey soil
- b. Dry and sandy soil
- c. Well-drained and loamy soil
- d. Saline and alkaline soil

32. What is the primary function of cover crops in soil management?

- a. Suppress weed growth
- b. Increase soil temperature
- c. Enhance soil erosion
- d. Improve soil texture

33. What is the major advantage of using a no-till farming system?

- a. Reduced soil erosion
- b. Increased labor costs
- c. Higher soil compaction
- d. Enhanced weed growth

34. What is the recommended depth for plowing to improve soil aeration and root growth?

- a. 5-10 cm
- b. 10-15 cm
- c. 15-20 cm
- d. 20-25 cm

35. What is the key benefit of using green manure in soil fertility management?

- a. Increase soil pH
- b. Enhance nitrogen content
- c. Reduce soil salinity
- d. Decrease soil moisture

36. Which of the following is a key component of integrated pest management (IPM)?

- a. Reliance solely on chemical pesticides
- b. Monitoring and evaluation
- c. Elimination of all pests
- d. Increasing pest population

37. What is the role of legumes in crop rotation systems?

- a. Deplete soil nutrients
- b. Fix atmospheric nitrogen
- c. Increase soil salinity
- d. Reduce soil moisture

39. Which of the following is a common practice to improve soil structure and fertility?

- a. Continuous cropping
- b. Crop rotation
- c. Overgrazing
- d. Soil compaction

40. What type of soil is best suited for drainage and irrigation systems?

- a. Clay soil
- b. Sandy soil
- c. Loamy soil
- d. Silt soil

41. What is the term for the process of applying a thin layer of compost to the soil surface?

- a. Mulching
- b. Fertilizing
- c. Composting
- d. Cultivating

42. What is the main advantage of using raised beds for vegetable gardening?

- a. Improved drainage
- b. Reduced plant growth
- c. Increased soil salinity
- d. Higher soil compaction

43. What is the primary advantage of using green manures in organic farming?

- a. Increase soil erosion
- b. Improve soil structure
- c. Reduce soil fertility
- d. Increase soil salinity

44. What type of soil test measures the soil's ability to hold nutrients and water?

- a. Soil texture test
- b. Soil pH test
- c. Cation exchange capacity (CEC) test
- d. Soil moisture test

45. What is the most effective method for controlling soil salinity?

- a. Leaching
- b. Mulching
- c. Tillage
- d. Cover cropping

47. What is the primary advantage of using compost in soil management?

- a. Decreases soil fertility
- b. Improves soil structure
- c. Increases soil salinity
- d. Reduces water retention

48. What type of irrigation system is most efficient for high-value crops in areas with limited water resources?

- a. Drip irrigation
- b. Sprinkler irrigation
- c. Flood irrigation
- d. Surface irrigation

49. Which of the following is an advantage of using conservation tillage?

- a. Increased erosion
- b. Improved soil moisture retention
- c. Higher soil compaction
- d. Decreased organic matter

50. What practice helps in reducing soil erosion in sloped areas?

- a. Contour farming
- b. Overgrazing
- c. Intensive tillage
- d. Continuous cropping

ANSWER KEY

1.	a	2.	c	3.	c	4.	c	5.	d
6.	d	7.	c	8.	a	9.	d	10.	d
11.	c	12.	c	13.	c	14.	c	15.	b
16.	d	17.	a	18.	b	19.	c	20.	a
21.	d	22.	d	23.	c	24.	d	25.	b
26.	b	27.	d	28.	a	29.	b	30.	a
31.	c	32.	a	33.	a	34.	c	35.	b
36.	b	37.	b	38.	c	39.	b	40.	c
41.	a	42.	a	43.	b	44.	c	45.	a
46.	a	47.	b	48.	a	49.	b	50.	a