

071605T4AUT

AUTOMOTIVE TECHNOLOGY LEVEL 5

ENG/OS/ AUT/CR/9/5

Perform Vehicle Body Works

November/December 2025



**TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION COUNCIL
(TVET CDACC)**

WRITTEN ASSESSMENT

Time: 3 HOURS

INSTRUCTIONS TO THE CANDIDATE

1. This paper consists of **TWO** sections: **A** and **B**.
2. Answer **ALL** questions in section A.
3. Answers question **TWELVE (12)** and any other **TWO (2)** questions in section B.
4. Marks for each question are indicated in the brackets.
5. Candidates are provided with a separate answer booklet
6. Do not write on the question paper.

This paper consists of THREE (3) printed pages;

**Candidates should check the question paper to ascertain that all pages are printed as indicated
and that no questions are missing.**

Turn over

SECTION A (40 MARKS)

Attempt ALL questions in this section

1. In an auto body workshop, safety is paramount. State FOUR safety measures to consider while in the auto body workshop. (4 Marks)
2. After carrying out any assignment in the workshop, waste disposal is necessary. List TWO types of waste material found in auto body workshops. (2 Marks)
3. For quality paint work spot putty application should be apply before spray painting. Outline THREE types of spot putty. (3 Marks)
4. The automobile paint performs many functions in vehicle body panels. Highlight FOUR functions of paint. (4 Marks)
5. Sand papers appear in different grits for different application. State FOUR types of sandpapers. (4 Marks)
6. Body files in auto body workshops are used to smoothen the surfaces. Outline THREE types of body files. (3 Marks)
7. During spray painting, the surface is prepared in many ways. Application of primer is one of the ways. Outline FOUR types of primers used in this process. (4 Marks)
8. Good paint work is an important factor in customer satisfaction. To achieve this body paint are manufactured with different component. List such FOUR components. (4 Marks)
9. A spray gun is an important tool in spray painting work. When used properly, it produces a smooth even surface. Highlight THREE types of spray guns. (3 Marks)
10. Vehicles appear in different body designs to appeal customer's desires. Outline FIVE types of vehicle body designs. (5 Marks)
11. A vehicle is made up of several panels that serve different purposes. Highlight FOUR vehicle body panels. (4 Marks)

SECTION B (60 MARKS)

Answers question TWELVE (12) and any other TWO (2) questions in this section.

12.

a) Spray painting is an important part of a vehicle's aesthetic. The choice of paint is therefore a factor to consider before application. Explain THREE types of paints. (6 Marks) b) Different parts in a spray gun play different roles in the effectiveness of producing quality paint.

With an aid of a well labeled diagram, illustrate EIGHT parts of a spray gun. (8 Marks) c) Good paint work requires strict adherence to manufactures procedures as well as good workshop procedures. Failure to this leads to different faults in the paint work. Explain THREE faults associated with spray painting. (6 Marks)

13.

a) Gas welding is one of the most procedures carried out on vehicle panel to join metal pieces together. Highlight FOUR parameters of gas welding. (4 Marks) b) Vehicle chassis is an important of a vehicle offers support to various components of the vehicle.

With an aid of diagram illustrate the characteristics of FOUR chassis frame sections. (8 Marks) c) Spray painting tools are designed for different application. An automotive technician should use each tool for a specific job. Explain FOUR classifications of tools in vehicle body workshop. (8 Marks)

14.

a) For a good upholstery to be achieved various tools and equipment are used to do the work. Explain FIVE uses of upholstery tools in vehicle body. (10 Marks) b) The vehicle upholstery materials must have quality characteristics that make the serve for longer period. Explain FIVE characteristics of upholstery materials. (10 Marks)

15.

a) Buffing is a procedure carried out on vehicles body panels to restore the original shine of the vehicle. Highlight FOUR tools used for this purpose. (4 Marks) b) Autobody workshops receive various kinds of vehicles with different body damages. These damages require different approaches to rectify them. Explain FOUR vehicle body damages. (8 Marks)

c) Rules and regulations are an important part of good workshop practices. Explain FOUR rules of spray painting. (8 Marks)

