

Technical And Vocational College

Date: 25.07.2025 10:58 AM

071605T4AUT

AUTOMOTIVE TECHNICIAN LEVEL 5

ENG/OS/AUT/CR/9/5

PERFORM VEHICLE BODY WORKS

July/Aug 2025

Printed By: Technical And Vocational College Date: 25.07.2025

10:58 AM



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

Technical And Vocational College

Date: 25.07.2025 10:58 AM

WRITTEN ASSESSMENT

TIME: 3 HOURS

Printed By: Technical And Vocational College Date:

25.07.2025 10:58 AM

1. This paper consists of **TWO** sections: **A** and **B**.
2. Attempt **ALL** the questions in Section **A** and any **THREE** questions from Section **B**.
3. Marks for each question are as indicated.
4. You are provided with a separate sheet.
5. Do not write on the question paper.

Technical And Vocational College Date: 25.07.2025 10:58 AM

This paper consists of FOUR (4) printed pages

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

SECTION A (40 MARKS)**Answer ALL the questions in this section.**

1. A job card is a detail of work that is performed for a work order. Outline **four** types of information contained in a vehicle bodywork job card. (4 Marks)
2. For the good quality of paint, the correct pressure of the paint needs to be adjusted. List **for factors** correct spraying pressure of paint. (4 Marks)
3. Car upholstery is a vital component that contributes to the overall appeal and functionality of the interior space. State two differentials. (2 Marks)
4. Steel panel and floor of luggage are part of body shell which are affected by rust. Identify two improvements which manufactures have made to reduce the rusting. (2 Marks)
5. Damaged inner panel such as wheel arch can be cut using oxy-acetylene torch. However, this method is not recommended. Identify four tools which can be used to remove damaged inner panel from a vehicle. (4 Marks)
6. As a technical institute taking auto body technician level 5, identify four types of adhesives used in vehicle repair works. (4 Marks)
7. Whenever a vehicle has been involved in a major collision, service on the frame should be carried out. State three methods of checking the misalignment on the frame. (3 Marks)
8. Priming coat is the first coat of paint on any surface. Briefly explain in three types of vehicle body panel coatings. (3 Marks)
9. To avoid one must wear the correct protective gears. State four functions of protective clothing in the vehicle body repair. (4 Marks)
10. A spray booth is a compartment, room or enclosure of fireproof construction meant for spray finishing. Mention three benefits of a spray booth. (3 Marks)
11. Professional body painters, painting at the top of the vehicle and work downward in a rotational pattern. Enumerate four elements to be checked in the spray-painting testing. (4 Marks)
12. Outline three reasons why it is essential to check the steering geometry of a vehicle after major work has been carried out. (3 Marks)

SECTION B (60 MARKS)**Answer Any THREE Questions in This Section**

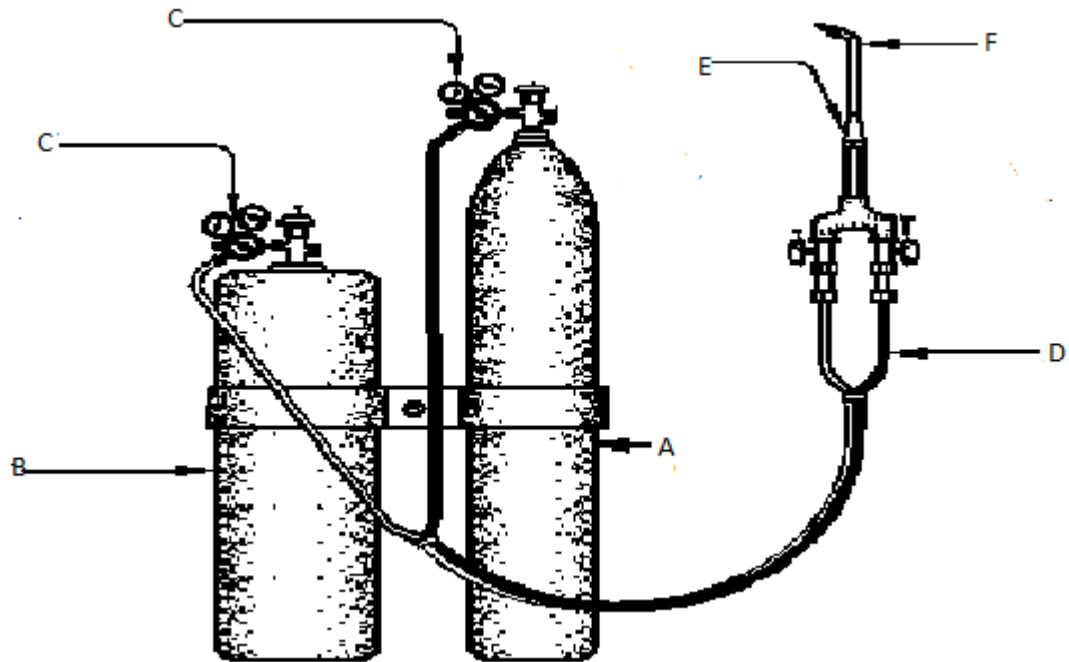
13.

Printed By: Technical And Vocational College

- a) Sanding can be done in two phases dry sanding and wet sanding. Explain **four** tools used in dry sanding and their purpose. (8 Marks)

- b) Welding is one of the preparation for spray painting. Discuss the functions of the parts of oxyacetylene welding components shown below.

Technical And Voc



Printed By: Te

14. Date: 25.07.2025 10:58 AM

Printed By: Technical And Vocational College

- a) An automotive chassis is a major part of the vehicle structure. Outline **three** functions of an automobile chassis. (3 Marks)

- b) The defects may arise during vehicle spray paint storage. Describe the causes of the above defects, providing the remedies for each. (9 Marks)

i. Thickening of paint in the can.

ii. A build-up of pressure in the can of paint due to the formation of gas

Printed By: And Vocational College

Date: 25.07.2025 10:58 AM

ing to the bottom of the container.

- c) Discuss **four** characteristics of vehicle body designs. (8 Marks)

15.

- a) In vehicle body work repairs, painting is considered a very crucial step. State **four** components of paint. (4 Marks)

Printed By: Technical And Vocational College Date: 25.07.2025 10:58 AM
Automotive paints come in various types and are selected in reference to the desired end results. Identify **four** types of paints used in the industry. (4 Marks)

- b) To restore the new work, buffing and valeting are normally employed.

Distinguish between buffing and valeting. (4 Marks)

- c) 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)

Printed By Technical And Vocational College

Date: 25.07.2025 10:58 AM

16.

- a) Autobody workshops receive various kinds of vehicles with different body damages.

Printed By And Vocational College

Date: 25.07.2025 10:58 AM

These damages require different approaches to rectify them. Explain **five** vehicle body damages. (10 Mark)

- b) A Spray gun is one of the key components in spray painting. Sketch a well labelled Spray gun explaining the functions of the various parts of the gun. (10 Marks)

Printed By: Technical And Vocational College Date: 25.07.2025

10:58