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AUTO BODY TECHNOLOGY LEVEL 6.

ENG/OS/ABT/CR/08/6/A

Assemble Vehicle Body Parts

July/August 2024



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

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INSTRUCTIONS TO THE CANDIDATE

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 answer booklet.*
5. *Do not write on the question paper.*

This paper consists of THREE (3) printed

**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. Worksheets have gained popularity in businesses dealing with production of large automobiles and other manufacturing industries. Identify FOUR reasons for using worksheets. (4 Marks)
2. Before you can use equipment and machines or attempt practical work in a workshop you must understand basic safety rules. Highlight THREE personal protective equipment used while working in an auto-body assembly workshop (3 Marks)
3. Explain THREE benefits of adhesives and seals used in vehicle body assembly. (6 Marks)
4. In motor vehicle industry soldering is used to join different parts in electrical networks. Outline FIVE considerations to be observed during soldering (5 Marks)
5. Mention THREE advantages of using interior vehicle body parts. (3 Marks)
6. Highlight the functions of the following components. (3 Marks)
 - a) Exhaust system
 - b) Fuel filter
 - c) Rear view mirror
7. Hoods are used in vehicles to cover the engine and its compartments. Mention TWO forms of hood installations. (2 Marks)
8. Identify THREE roles of the airbag in a motor vehicle (3 Marks)
9. Highlight FOUR documents required for vehicle final approval. (4 Marks)
10. List FOUR tools used during replacement of the regulator motor. (4 Marks)
11. Outline THREE electrical circuit protection devices used during installation of circuits in auto-body assembly workshop. (3 Marks)

SECTION B (60 MARKS)

Any THREE questions are attempted in this Section.

12.

- a) Name and explain functions of any FOUR parts of a power window system (8 Marks)
- b) Explain SIX advantages of using the integral body construction. (12 Marks)

13.

- a) A good housekeeping program is vital in any given workshop. Discuss SIX benefits of good housekeeping practices. (12 Marks)
- b) Different types of adhesives are used in assembling vehicle body parts. Explain FOUR types of adhesives used. (8 Marks)

14.

- a) Highlight FOUR wiring requirement used while installing wire harness in the assembly of vehicle structure. (8 Marks)
- b) A client visits your workshop and the radio system is not working. After inspection you realized the system needed replacement. Outline SIX precautions to be observed when replacement of a new radio system (12 Marks)

15. A vehicle is brought for service in your workshop. The driver complains of lack of cold air in the passenger compartment when A.C system is turned on when cool mode is selected.

- i. Identify FOUR faults of lack of cold air in the passenger compartment (4 Marks)
- ii. Explain ONE possible cause for each fault identified in (i) above (8 Marks)
- iii. Explain ONE remedy for each fault identified in (i) above (8 Marks)