

071604T4AUT

AUTOMOTIVE TECHNOLOGY LEVEL 4

ENG/OS/AUT/CR/1/4/A

PERFORM VEHICLE BASIC MAINTENANCE

July /Aug 2025

Printed Technical And Vocational College Date: 25.07.2025 08:20
AM



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

WRITTEN ASSESSMENT

Printed By: Technical And Vocational College Date: 25.07.2025
08:20 AM

Time: 2 HOURS

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INSTRUCTIONS TO CANDIDATE

1. This paper consists of two sections; **A** and **B**
2. Answer **ALL** the question as guided in each section
3. Marks for each question are as indicated in the brackets
4. You are provided with a separate answer booklet to answer the questions
5. Do not write in this question paper

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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**

Turn Over

SECTION A (10 MARKS)**Answer all questions in this section. Each question carries one mark**

1. The _____

A. Starter motor

B. Alternator

C. Ignition system

D. Distributor

2. Identify a component used to check engine oil level.

A. Pressure gauge

B. Check engine light

C. Dipstick

D. Thermostat

3. Which safety precaution is observed before checking engine coolant level?

A. Wear a nose mask

B. Run the engine

C. Turn on the fan

D. Ensure the engine is cool

4. What is the main function of a fuel filter in a vehicle?

A. To improve fuel economy

B. To cool the engine

C. To prevent dirt and debris from entering the engine

D. To transfer fuel from the fuel tank to the injectors

5. Identify the best way to extend a car battery's life.

A. Ensure that the battery is fully charged.

A. Disconnect the negative terminal

B. Disconnect the positive terminal

C. Fill the battery with electrolyte

6. What does the abbreviation ABS stand for?

A. brake system

B. Anti-lock braking system

C. Anti-brake skidding

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D. Actual brake system

7. Tire pressure should be checked _____

- A. Once a year
- B. Regularly or before long trips
- C. Once every 3 months
- D. Once every 6 months

8. Name a component of the steering gearbox or rack.

- A. Tie rod
- B. Axle shaft
- C. Steering column
- D. Control arm

9. What is the main function of a vehicle's transmission system?

- A. To reduce fuel consumption
- B. To change the speed of the windshield wipers
- C. To transfer power from the engine to the wheels
- D. To control the air conditioning

10. _____ type of suspension is commonly used at the rear of trucks and buses.

- A. Coil spring
- B. Hydraulic suspension
- C. independent rear spring
- D. Leaf spring

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

11. State FOUR indicators vehicle air conditioning system. (4 Marks)
12. Identify FOUR reasons why regular vehicle maintenance is important. (4 Marks)
13. Name FOUR basic fluids that should be checked regularly in a vehicle. (4 Marks)
14. State FOUR reasons why it is necessary to inspect and replace the air filter periodically. (4 Marks)
15. List FOUR causes of uneven tire wear. (4 Marks)
16. State FOUR safety precautions that should be observed in a vehicle. (4 Marks)
17. Identify FOUR ways of handling and disposing automotive fluids. (4 Marks)
18. Identify FOUR importance of a job card. (4 Marks)
19. State FOUR maintenance practices carried out on braking system (4 Marks)
20. Identify FOUR causes of suspension wear. (4 Marks)