

Candidate Name	Centre Number	Candidate Number
		4



**Entry Level**

717/03

**MOTOR VEHICLE AND  
ROAD USER STUDIES  
MOTOR VEHICLE ENGINEERING**

P.M. THURSDAY, 6 March 2008

15 minutes

**Examiner only**

<b>Total Marks</b>	
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**INSTRUCTIONS TO CANDIDATES**

Write your name, centre number and candidate number in the spaces at the top of this page.

Answer **all** questions in the spaces provided in this booklet.

If you have difficulty in reading a question, put up your hand and the teacher-in-charge will read it to you.

**INFORMATION FOR CANDIDATES**

The number of marks is given in brackets at the end of each question or part-question.

Answer **all** questions in the spaces provided.

1. The picture below shows two tyres. The maximum tread depth of the top tyre is measured at 0.9 mm and the tread depth of the bottom tyre is 2.1 mm.



Which of the following sentences is true?

- (a) Both tyres may be fitted on a vehicle that will be used on the public roads.
- (b) Only the bottom tyre may be fitted to a vehicle that will be used on the public roads.
- (c) Only the top tyre may be fitted to a vehicle that will be used on the public roads.

Answer ..... [1]

2. Look at the picture below and then answer the question that follows.



What are the components shown called?

- (a) Spring washers
- (b) Flat washers
- (c) Split washers.

Answer ..... [1]

3. Answer the following sentence **TRUE** or **FALSE**.

“The four-stroke cycle or OTTO cycle is the system usually used in most motor vehicle engines.”

Answer ..... [1]

4. Look at the picture below and then answer the question that follows.



What is the tool shown used for?

- (a) Testing brake fluid level
- (b) Testing anti-freeze strength
- (c) Testing 12 volt circuits.

Answer ..... [1]

5. What type of engine lubrication system is used in most four-stroke engines?

- (a) Damp sump
- (b) Moist sump
- (c) Wet sump.

Answer ..... [1]

6. Answer the following sentence **TRUE** or **FALSE**.

“Most modern car bodies are still made from mild steel.”

Answer ..... [1]

7. Look at the picture below.



Answer the sentence that follows **TRUE** or **FALSE**.

“The component shown is called a camshaft.”

Answer ..... [1]

8. What do we call the special gears that turn the driving wheels at different speeds when a motor vehicle is turning a corner?

- (a) The differential gears
- (b) The different gears
- (c) The diversified gears.

Answer ..... [1]

9. Answer the following sentence **TRUE** or **FALSE**.

“When refitting a cylinder-head to an engine, it is important that the head is tightened down correctly with the correct size ring spanner.”

Answer ..... [1]

10. Look at the picture below and then answer the question that follows.



What is the component shown called?

- (a) A brake disc
- (b) A cooling fan
- (c) A clutch plate.

Answer ..... [1]

11. Before using a motor vehicle's **LIGHTS** at night, what are two things you should check? Write your answers below.

Answer 1 ..... [1]

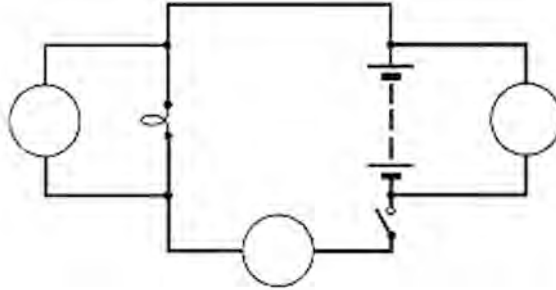
Answer 2 ..... [1]

12. What do we call checking the tyres, lights etc of a motor vehicle?

- (a) Special maintenance
- (b) Routine maintenance
- (c) Ordinary maintenance.

Answer ..... [1]

13. Look at the diagram below and then answer the question that follows.



What is this type of diagram called?

- (a) A perimeter
- (b) A lap
- (c) A circuit.

Answer ..... [1]

14. Look at the picture below and then answer the question that follows.



What is the component shown in the picture?

- (a) A cylinder head valve
- (b) A brake master valve
- (c) A clutch valve.

Answer ..... [1]