



General Certificate of Secondary Education
2013

Centre Number

71

Candidate Number

Motor Vehicle and Road User Studies

Unit 1: Motor Vehicle and Road User Theory

Higher Tier

[GMV12]

THURSDAY 16 MAY, MORNING



For Examiner's
use only

Question Number	Marks
1	
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TIME

2 hours.

INSTRUCTIONS TO CANDIDATES

Write your Centre Number and Candidate Number in the spaces provided at the top of this page.
Answer **all** questions.

INFORMATION FOR CANDIDATES

The total mark for this paper is 180.
Figures in brackets printed down the right-hand side of pages indicate the marks awarded to each question or part question.
Quality of written communication will be assessed in questions **27**, **28** and **29**.

Total Marks	
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14 (a) Explain briefly what a blind spot is.

_____ [1]

(b) Where, on a country road without a footpath, should a pedestrian walk?

_____ [1]

(c) Name **two** dangers which might be experienced when driving on rural roads.

1. _____ [1]

2. _____ [1]

Examiner Only	
Marks	Remark

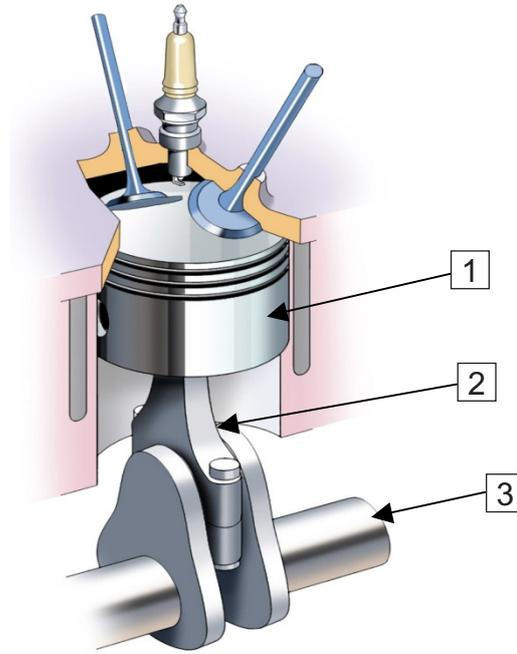


Fig. 15.1

© *Motor Vehicle and Road Users Studies* by Eamonn McPolin,
published by Colourpoint Books, 2009. ISBN 9781906578312

(a) Name the parts marked 1 to 3 in **Fig. 15.1** above.

- 1. _____ [1]
- 2. _____ [1]
- 3. _____ [1]

(b) Explain briefly how linear motion is changed into circular motion in a car engine.

 _____ [2]

Examiner Only	
Marks	Remark

16 (a) Apart from resting the night before, list **two** ways **you** could prepare for a long car journey.

1. _____ [1]

2. _____ [1]

(b) Apart from checking fuel, list **two** ways you could prepare **your vehicle** for a long journey.

1. _____ [1]

2. _____ [1]

(c) Suggest **one** reason why speed limits are lower on single carriageway roads rather than on dual carriageways or motorways.

_____ [1]

Examiner Only	
Marks	Remark

18 A motorist is calculating the cost of owning and running a modern family car (no MOT required). His expenses are summarised below. Calculate his monthly expenditure.

- Road Tax £190 pa.
- Insurance £648 pa.
- Servicing, etc. £360 pa.
- Parking/cleaning £20 per month
- Fuel 18,000 miles pa. at an average of 36mpg with fuel costing 135p/litre (1 gal= 4.55 litres)

Show all your working out.

Answer _____ [9]

Examiner Only	
Marks	Remark

23 (a) A car costs £15,300. Calculate the monthly repayments over 36 months.

Answer _____ [1]

(b) The buyer decides to make a 20% deposit to buy the car with repayments over 36 months. Calculate the monthly repayments.

Answer _____ [2]

Examiner Only	
Marks	Remark

24 (a) Name the parts marked 1 to 6 in Fig. 24.1 below.

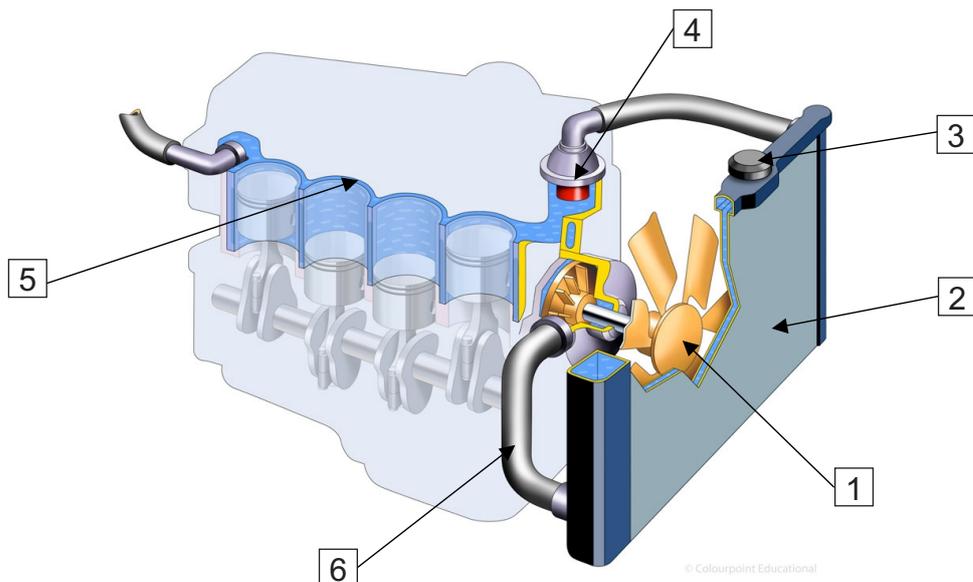


Fig. 24.1

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- 1. _____ [1]
- 2. _____ [1]
- 3. _____ [1]
- 4. _____ [1]
- 5. _____ [1]
- 6. _____ [1]

(b) Write down **two** problems which can occur in the water cooling system.

- 1. _____ [1]
- 2. _____ [1]

(c) Name another cooling system.

_____ [1]

(d) What type of vehicle would this be best suited to?

_____ [1]

Examiner Only	
Marks	Remark

25 (a) In dealing with casualties at the scene of an accident, when should a casualty be placed in the “recovery position”?

[2]

(b) Describe briefly how you would place a casualty in the “recovery position”.

[3]

Examiner Only	
Marks	Remark

THIS IS THE END OF THE QUESTION PAPER

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