



General Certificate of Secondary Education
2012

Motor Vehicle and Road User Studies

Unit 1: Motor Vehicle and Road User Theory

Foundation Tier

[GMV11]

THURSDAY 17 MAY, MORNING

**MARK
SCHEME**

Section A

- | | | AVAILABLE MARKS |
|----|-------------------------------|-----------------|
| 1 | brown. | [1] |
| 2 | the right. | [1] |
| 3 | blind spot. | [1] |
| 4 | headwind. | [1] |
| 5 | colour-blind. | [1] |
| 6 | Police Service of N. Ireland. | [1] |
| 7 | Speed cushions. | [1] |
| 8 | End of motorway. | [1] |
| 9 | Stop. | [1] |
| 10 | 60. | [1] |
| 11 | Front windscreen. | [1] |
| 12 | 16. | [1] |
| 13 | Single track. | [1] |
| 14 | depreciation. | [1] |
| 15 | £320. | [1] |
| 16 | 24. | [1] |
| 17 | starter motor. | [1] |

Section A

18 Transmission.

[1]

19 Anti-lock braking system.

[1]

20 injector.

[1]

Section A

AVAILABLE
MARKS

20

20

Section B

		AVAILABLE MARKS
21	Allow the other person/driver/pedestrian pass first.	[1] 1
22	(a) On slip road of motorway/end of dual carriageway/approaching city or dual carriageway etc.	[1]
	(b) Morning or evening rush hour.	[1] 2
23	(a) 1. Mandatory.	
	2. Tell other drivers.	[2]
	(b) Any two from: Inexperienced; take risks; drive fast; impetuous; show off etc.	[2] 4
24	From a G.P.	[1] 1
25	Driving in lane against traffic on opposite carriageway.	[2] 2
26	108m = $1\frac{1}{2}$ hours 36m = $\frac{1}{2}$ hour $36 \times 2 = 1$ hour = 72 mph	[1] 1
27	(a) Exhaust system.	[1]
	(b) Removes noxious/environmentally unfriendly emissions etc.	[1] 2
28	To avoid obstacles: in the gutter; severe camber; uneven surface; to avoid contact with kerb etc.	[1] 1
29	To warn of approaching hazard, e.g. bend, hill etc.	[1] 1
30	Any two from: Countdown markers; rumble strips/lines across carriageway/painted surface.	[2] 2
31	Broker: b. Insurance agent: a. Policy holder: c.	[3] 3

Section B

		AVAILABLE MARKS
32 (a)	To reduce the effect of (cross) winds; noise.	[1]
(b)	Road works; safety of road workers; complex and busy junction with merging traffic etc.	[1]
33 (a)	1. Children.	
	2. The elderly etc.	[2]
(b)	Every 5 years after 70.	[1]
(c)	Any two from: To ensure no impairment to driving ability; no illnesses/or change in medical condition etc.	[2]
34	1. Silencer.	
	2. Brake servo.	
	3. Thermostat.	[3]
35 (a)	Garage: Advantage: – car serviced/checked. – finance available. – can return car if faulty. – consumer protection. Disadvantage: – higher price.	[2]
(b)	Private: Advantage: – lower price for spec. – cheaper. – affordable higher spec Disadvantage: – little consumer protection – can have hidden faults	[2]
36	36.1 – Priority over oncoming vehicles.	[1]
	36.2 – Level crossing without a barrier.	[1]
	36.3 – Road works.	[1]
	36.4 – No through road for vehicles.	[1]
	36.5 – Side winds.	[1]
	36.6 – Picnic site.	[1]
		6

Section B

		AVAILABLE MARKS
37	(a) Any two reasonable answers concerning: Speed limits; scanning the road ahead; using mirrors; being courteous etc. [2]	
	(b) Any two from: Being seen at night and day; crossing at safe crossing points; using zebra and light controlled crossings; being aware and taking care; using footpaths etc. [2]	4
38	(a) Any two from: Better tyres/suspension/vision etc. [2]	
	(b) Any two from: On/off street parking; park and ride; parking meters etc. [2]	4
39	(a) Any two from: Shop for insurance; street parking; lower tax band vehicle etc. [2]	
	(b) To drive gently; brake gently etc. [2]	
	(c) 1:10 = 11 parts 4.4L divided by 11 = 0.4L [2]	6
40	(a) 1. Piston crown. 2. Exhaust port. 3. Inlet port. 4. Gudgeon pin. 5. Transfer port. [5]	
	(b) 1. Compression. 2. Power. 3. Transfer. [3]	8
41	(a) A blow to the head or any part of the body thereby resulting in swelling and indeed bruising after a period of time has transpired. [1]	
	(b) Unconscious and breathing. [1]	
	(c) Any two from: Keep engine serviced; don't spill oil, petrol or diesel; no loud noise from exhaust etc. [2]	4

Section B

		AVAILABLE MARKS
42 (a)	Location/time/casualties.	[1]
(b)	Insurance and licence.	[2]
43 (a)	Any two from: air/fuel/oil/pollen.	[2]
(b)	To remove tiny particles which would cause damage.	[1]
44	Any two from: Fire extinguisher; shovel; mats; first aid kit; warning triangle; spare bulbs etc.	[2]
45	Any two from: Report to police; do not leave scene; provide insurance to authorised persons etc.	[2]
46 (a)	Operates automatically.	[1]
(b)	Airbags/seat belts/collapsible steering column etc.	[2]
47 (a)	Give wide berth, pass slowly etc.	[2]
(b)	Move in to the left very close to the vehicle you have overtaken.	[1]
48	The candidate must refer to any three from: Keep in lane; watch for pedestrians; watch for traffic signals; watch for (parked) cars and buses; respect bus lanes; watch for buses/vehicles pulling out; obey speed limits; watch for cyclists etc. [2] for each valid point made, up to maximum of [6]	[6]
49	Vulnerable users, mobility drivers, handicapped people, blind people/guide dogs, disabled/crutches, wheelchair users, elderly people, young children, pedestrians with prams. Slow down, anticipate, more consideration, allow more time to cross etc.	[12]

Level 1 ([0]–[4])

The candidate may focus only on one or two of the required references and give limited or irrelevant detail. Specialist vocabulary will be limited or inappropriately used. The answer may lack clarity and/or cohesion and may also contain significant grammatical, punctuation or spelling errors.

Section B

Level 2 ([5]–[8])

The candidate addresses at least two of the required references in some relevant detail. Specialist vocabulary is correctly used. The style of writing is appropriate and the meaning is clear although there may be some errors in spelling, punctuation or grammar.

Level 3 ([9]–[12])

The candidate addresses all of the required references in line with the detail set out above. Specialist vocabulary is used correctly. The answer is well structured and relevant material is presented with a high degree of clarity and coherence. Spelling, punctuation and grammar will generally be correct.

[0] a zero mark will awarded if the response is not worthy of credit.

Section B

AVAILABLE
MARKS

100

Total

120