

MOTOR VEHICLE

SECTION A (10 MARKS)

Answer all Questions

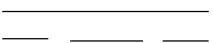
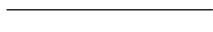
Choose the best alternative

1. The minimum age for driving is:
 - a. 15
 - b. 16
 - c. 17
 - ☒ d. 18
2. In an automatic car, the:
 - a. Left foot operates the brake only
 - ☒ b. Right foot operates the accelerator only
 - c. Right foot operates both pedals
 - d. Left foot operates the clutch only
3. In a manual car, the right foot operates the:
 - a. Clutch and brake pedals
 - b. Accelerator only
 - ☒ c. Accelerator and brake pedals
 - d. Brake pedal only
4. You should not sound your horn in built-up areas between the hours of:
 - a. 10:30pm and 7:30pm
 - b. 7:40pm and 10:30pm
 - c. 11:30pm and 7:30am
 - ☒ d. 7:00am and 11:30pm
5. A broken centre line on your side means:
 - a. It is safe to overtake
 - b. There are no hazards ahead
 - c. You may park at certain times
 - ☒ d. You may cross the line only if safe

6. You should only use a hand-held mobile phone when:
- a. driving on motorways
 - b. driving in towns
 - ☒ c. you are stationary
 - d. you want to answer a call
7. The handbrake should be used:
- a. every time you stop the car
 - b. when you are stopped for more than a few moments
 - ☒ c. only when you are parking your car
 - d. whenever you stop at 'stop' signs
8. When neutral is engaged, the engine is:
- ☒ a. Disconnected from the road wheels
 - b. Connected to the road wheels
 - c. Ticking over at a very high rate
 - d. Slowing the car down
9. 1st gear is the:
- ☒ a. Least powerful gear
 - ☒ b. Most powerful gear
 - c. Most economical gear
 - d. One used when driving at high speeds.
10. The main cause of skidding is
- ☒ a. A wet road surface
 - b. Icy roads
 - c. High speed
 - d. The driver

SECTION B

1. Within what period should an accident be reported to the police station?
⇒ Right away when it has happened
2. Mention two major insurance covers
⇒ Third party Insurance
⇒ Comprehensive Insurance
3. On which side of the road should pedestrians walk in Uganda?
⇒ The left side of the road
4. Give two functions of the handbrake
⇒ Keeps the vehicle stationary
⇒ Used in emergency braking
5. Define the term vehicle according to the highway code and give examples
⇒ Any machine propelled along the road by any power (eg: Passenger carrier and Goods carrier)
6. Define the term road accident
⇒ An unpleasant event that may happen and cause damage
7. Mention two main pollutions caused by motor vehicles
⇒ Nitrogen dioxide
⇒ Carbon monoxide
8. Give the functions of
 - i. Safety belt: To keep the driver and the passenger tied
 - ii. Air bag: Protects the occupants from hitting the interior or objects outside the vehicle during a collision

9. Mention the foot pedals fitted on the automatic vehicle
- ⇒ Accelerator
 - ⇒ Brake
10. How many eyes does a driver have?
- ⇒ Three eyes
11. With the aid of a simple sketch give the meaning of double lines on the road
- i.  You may cross if the nearest line is broken
 - ii.  You may not cross
12. How many wheels does a Saloon car have?
- ⇒ Four wheels
13. What is a four – traffic light sequence?
- ⇒ It can allow four cars to pass in different directions
14. What is the pedestrian light sequence?
- ⇒ Green
15. Give two types of tyres
- ⇒ Tube tyre
 - ⇒ Tubeless tyre
16. Define the term vehicle
- ⇒ A machine that is propelled along the road by any power
17. Define the term motor vehicle
- ⇒ It is a vehicle which contains an electric motor or engine to drive it
18. When do we dim our lights at night?
- ⇒ When you are over taking

19. What two tools are used to remove a wheel from the vehicle?

- ⇒ Wheel spanner
- ⇒ Jack

20. If you want to import a vehicle into Uganda, What must be its maximum year from the date of manufacturing?

- ⇒ 5 years

SECTION C

1. Give the types of Motor Vehicles with regard to:

a. Purpose (2 types)

- ⇒ Passenger carriers
- ⇒ Goods carriers

b. Fuel used (4types)

- ⇒ Stream carriers
- ⇒ Electric vehicles
- ⇒ Petrol or gasoline motor vehicles
- ⇒ Diesel motor vehicles

c. Number of wheel (4types)

- ⇒ six wheeler
- ⇒ Four wheeler
- ⇒ Three wheeler
- ⇒ Two wheeler

d construction

- ⇒ Single unit vehicles
- ⇒ Articulated vehicles and tractors
- ⇒

2. Explain briefly the meaning of the following terms according to the highways code

a. vehicle

⇒ means any machine propelled along the road by any power and includes motor vehicles, motorcycles, pedal cycles, hand carts, and carts, and animal drawn carts.

b. Driver

⇒ mean any person who drives a motor vehicle or other vehicle or who guides animals on a road

c. Zebra crossing

⇒ means the part of a road which is painted with strips. It is used by pedestrians to cross the road.

d. Give way

⇒ means the driver must slow down, or stop if necessary, to allow other traffic to proceed.

3. A Define the term motor insurance

⇒ Motor insurance covers accidental loss of or damage to any motorized vehicle used on public roads.

4. B. Explain the meaning of third party insurance

⇒ It covers anyone you might injure or whose property you might damage and it does not cover your own motor vehicle or injury to yourself.

C Explain the meaning of comprehensive insurance

⇒ This part covers the persons and property against injury or damages to your own vehicle

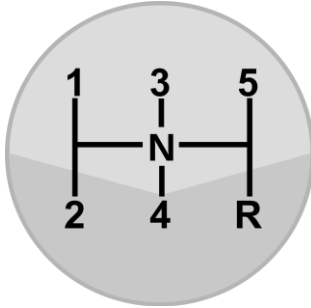
D Give the difference between insurer and insured

⇒ Insurer refers to the insurance company granting the insurance.
While insured refers to the person or business that takes out insurance and is promised

Compensation in the event of loss

SECTION D

1. a) Draw a simple sketch of gear management, used on a manual car



- b) Explain the procedure for starting an engine for a manual Vehicle

- ⇒ You must make sure the vehicle is secure and that it will not move when you switch the on the engine
- ⇒ Before turning the ignition key check the hand brake is on firmly
- ⇒ Also check that the gear level is in the neutral position (this position when no gear is engaged).
- ⇒ The starter / ignition switch is normally on or near the steering column and usually combines an antitheft steering lock. As you turn the key, look for a battery charging and oil pressure warning lights. Check these, go out when the engine starts

- c) Explain the procedure of moving off efficiently

- ⇒ With the engine running press the clutch pedal down
- ⇒ Engage 1st gear
- ⇒ Release the handbrake
- ⇒ Accelerate gently as you release the clutch pedal slowly
- ⇒ Remember to change in 2nd gear as soon as possible after moving off.

- d) (i) Give 4 advantages of Manual Vehicles over Automatic Vehicle

- ⇒ They are lighter in weight
- ⇒ They require less maintenance

- (ii) Give two disadvantages of Manual vehicle

- ⇒ Clutch wear out
 - ⇒ The require high skill to drive
2. (a) Define the term Vehicle Maintenance; is the keeping of the vehicle in a good condition by checking or repairing it regularly
- (b) Give 5 purpose of Vehicle maintenance
- ⇒ To make sure the vehicle is in good condition of road driving
 - ⇒ To minimize road accidents that may occur due to defective vehicles
 - ⇒ It is a requirement of traffic rules and regulations.
 - ⇒ Maintenance helps the vehicles last longer
 - ⇒ Vehicles will always look neat and smart
- (c) Explain five daily checks on a Vehicle
- ⇒ -P Petrol or Diel, whatever fuel your vehicle runs on, check your fuel as soon as you switch on. Remember if you are travelling far it may be a long way to next service station. Try to avoid running on less than a quarter tank
 - ⇒ O Oil, Check the engine oil and the brake fluid. Look for oil drips under the vehicle. If the oil pressure, or braking warning light comes on while driving, stop as soon as it is safe and check the problem out. If you run your engine without oil, it could seize up.
 - ⇒ W Water, make sure there is water in the windscreen washer bottle. When the engine is cold, check the water in the radiator. In winter, check for anti-freezer.
 - ⇒ E Electricity, before driving, check that all lights and indicators are working. Keep spare bulbs in the vehicle. Check that the electrolyte fluid level in the battery covers the plates
 - ⇒ R Rubber, check the tyre pressure and look for any obvious cuts or bulges. Remove any stone from the tread. You could get a puncture at any time, so check the spare as well. Check that the fan belt is tight. If the wiper blades smear the screen, get them changed.
- (e) On your driving from Bugema to Kampala one of your wheels gets a puncture, Explain how you can overcome this problem

3. (a) Define the term road accident

⇒ An unpleasant event that happens on the road unexpectedly and causes damage, injury or death.

(b) Describe four major categories of causes of road accidents

- ⇒ Human Error.....(on your own, page 105 - 107)
- ⇒ Defective vehicle conditions..... (on your own, page 105 - 107)
- ⇒ Environmental factors (rain, fog, ice).....(on your own, page 105 - 107)
- ⇒ Poor road conditions..... (on your own, page 105 - 107)

(d) How can traffic and road safety be managed?

- ⇒ Enforcement.....(page 108 – 109)
- ⇒ Emergency Response.....(page 108 – 109)
- ⇒ Engineering.....(page 108 – 109)
- ⇒ Education.....(page 108 – 109)