

DEPARTMENTAL EXAMINATION OF IAS/HAS OFFICERS OF  
HIMACHAL PRADESH  
JULY-AUGUST,2006

Paper:12

Motor Mechanism and Driving

Time: 1.30 hours

Maximum Marks = 50

- Note:- 1. Candidate may answer the question in Hindi or English.  
2. Attempt any five questions from Part A and any five five from Part-B.  
3. Bar Act is allowed.

PART-A

Q.No.1 Explain the functions of any five of the following in the motor vehicle.

- a) Carbtorator.
- b) Battery.
- c) Lift Pump.
- d) Exhaust fan.
- e) Clutch Plate.
- f) Dynamo.
- g) Fan Belt.

5 Marks

Q.No.2. What are functions of any five of following in the Motor vehicle.

- a) Hand brake.
- b) Steering.
- c) Gear Box.
- d) Radiator.
- e) Paddle.
- f) Air Cleaner.
- g) Differential.

5 Marks

Q.No.3 What steps are required to control pollution of motor vehicle?

5 Marks

Q.No.4 Explain function of different Gears in motor vehicle.

5 Marks

Q.No.5 Name any five main aggregates in Engine of a Motor Vehicle?

5 marks

Contd.P-2

OR

Name any five aggregates out of following which are related to the Steering System of vehicles.

- a) Tie rod end.
- b) Exhaust pipe.
- c) Engine bearing.
- d) Hub.
- e) Knuckle arm.
- f) Steering wheel.
- g) Drop arm.
- h) Shaker Pin.
- i) Propeller Shaft.
- j) U.J. Cross.
- k) Worm Gear.

5 Marks

PART-B

Q.No.6 Define any five of the following:-

- a) Medium Goods Vehicle.
- b) Motor Car.
- c) Motor Cycle.
- d) Goods Carriage.
- e) Fares.
- f) Omni Bus.
- g) Permit.

5 Marks

Q.No.7 Which of the Motor Vehicle are exempted from insurance.

5 Marks

Q.No.8 Which are the functions of any five of following Authorities under Motor Vehicle Act?

- a) Inter- State Transport Commissioner.
- b) Road safety council.
- c) Registering & Licensing Authority.
- d) State Transport Authority.
- e) State Transport Appellate Tribunal.
- f) Motor Vehicle Inspector.
- g) Regional Transport Authority.

5 Marks

Contd.P-3

Q.No.9 Explain law relating to grant of inter-State route permits for playing stage Carriage buses. 5 Marks

Q.No.10 What is procedure envisaged under Motor Vehicle Act 1968 for regulating Contract carriage.

OR

What is penalty prescribed in the Motor Vehicle Act for carrying passengers in A private vehicle.

5 Marks

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