DEPARTMENTAL EXAMINATION OF IAS/ HAS OFFICERS OF

HIMACHAL PRADESH

February, 2007

Paper-12 **Motor Mechanism and Driving**

Time: 1:30 Hours. **Max. Marks: 50**

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

PART-A

Q.No.1 What are functions of any five following parts in a motor vehicle:-

a) Ignition Switch
b) Fan.
c) Fan belt.
d) Wind screen wiper.
e) Axle shaft.
f) Filter.
g) Battery. 5.

Q.No.2 To which system of Motor vehicle, any five of following, are connected:-

a) Drop arm.
b) Tie rod.
c) Sector shaft.
d) Front axle.
e) Steering wheel.
f) Steering box. 5.

Q.No.3 Explain functions and importance of any five of following in a motor vehicle:-

a) Accelerator.
b) Radiator.
c) Exhaust pipe.
d) Air cleaner.
e) Clutch paddle.
f) Dynamo/ alternator.
g) Hubs. 5.

Q.No.4 Explain briefly working of any two of following units and system in a motor Vehicle:-

a) Gearbox.
b) Engine cooling system.
c) Four strokes of a engine.
d) Lay out of tandom brake system of a vehicle.
e) Layout of fuel system. 5.

Contd.p-2

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Q.No.5 Why do you consider any five of following necessary in a motor vehicle?

a) Speedometer.
b) Spare wheel.
c) Tool box.
d) Rear view mirror.
e) Horn.
f) Hand brake.
g) Exhaust pipe. 5.

OR

Q.No.6 Explain briefly the basic requirements in a motor vehicle for its passing by Motor vehicle inspector. 5.

PART-B.

Q.No.7 As per provision of the Motor Vehicle Act, define any five of the following:-

a) Tractor.
b) Tourist Vehicle.
c) HTV, MML & LMV.
d) Route.
e) Semi-trailer.
f) Motorcar.
g) Maxi cab. 5.

Q.No.8 Why registration of a vehicle is necessary and who registers motor vehicles in H.P. and under which provision of Motor Vehicles Act? 5.

Q.No.9 Explain relevant provision in Motor Vehicles Act regarding training schools Or establishments for imparting instruction in driving motor vehicles in H.P.5.

Q.No.10 Explain procedure laid down in Motor Vehicles Act for obtaining driving Licence of light motor vehicle and heavy motor vehicle and validity thereof. 5.

Q.No.11 What is the role of following authorities under Motor Vehicles Act?

a) State Transport Authority.
b) Regional Transport Authority.
c) State Transport Appellate Tribunal.
d) Registering & Licencing Authority.
e) Motor Vehicle Inspector. 5.

OR

Q.No.12 Explain briefly the importance of insurance of motor vehicle and also extent of Liability of the insurer in case of any motor vehicle accident. 5.

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