

9. (a) Explain daily and weekly maintenance for an owner – driver car. (10)
- (b) What would be the reasons for the following problems ? Also, suggest suitable remedies. (10)
- (i) Abnormal noise from front and suspension.
- (ii) Steering noise and poor returnability.
10. (a) Why brake lining is worn out ? Briefly mention how the worn out brake lining can be replaced ? (10)
- (b) How the different grades of gear box lubrication oils are classified ? Also, anumerate the procedures for lubricating the gear box. (10)

Register Number :

Name of the Candidate :

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P.G. DIPLOMA EXAMINATION, 2008

(AUTOMOBILE MAINTENANCE)

(PAPER - II)

**120. TROUBLE SHOOTING AND
MAINTENANCE**

May]

[Time : 3 Hours

Maximum : 100 Marks

*Answer any FIVE questions, choosing THREE
from Part-A and TWO from Part-B.*

All questions carry equal marks.

PART – A

1. Explain the contents and instructions of the following manual : (10 + 10)
- (i) Manufactures service manual.
- (ii) Parts manual.

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2. Describe the periodical maintenance procedures for the following components : (20)

- (i) Hydraulic braking system.
- (ii) Steering system.
- (iii) Suspension system.

3. Prepare trouble shooting chart which contains various troubles, causes and remedies for the following automobile systems : (10+10)

- (i) Air conditioning system.
- (ii) Fuel injection pumps.

4. Discuss the causes and remedies for following problems in automobiles : (20)

- (i) Engine does not get started.
- (ii) Excessive engine oil consumption.
- (iii) Skidding braking system.

5. (a) Prepare a trouble shooting chart for a diesel engine fitted in a passenger bus. Also, mention the periodical maintenance procedures to be carried out. (15)

(b) Write short notes on the lubricants used for automobiles. (5)

PART – B

6. Describe the trouble shooting techniques to be applied for the following problems : (20)

- (i) Dragging clutch.
- (ii) Gear slipping.
- (iii) Vibration of gear box.

7. (a) State the reasons for rapid wear / uneven wear of wheel tyres. How they can be avoided ? Also, suggest suitable remedies for this problem. (10)

(b) Enumerate the regular maintenance procedures that are to be employed on automobile batteries. (10)

8. (a) Discuss why adjustment of carburettor and fuel pump are required. (10)

(b) What is the need for valve grinding ? Explain the procedure and equipment needed for valve grinding. (10)

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