



2018 VI 12

1430

Seat No. :

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Time : 2 Hours

AUTO SERVICING AND GARAGE MANAGEMENT

Subject Code

V	3	7	1
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Total No. of Questions : 5

(Printed Pages : 2)

Maximum Marks : 50

- INSTRUCTIONS :** i) Answer each question on a **fresh** page.
ii) Write the number of each question and sub-questions **clearly**.
iii) **All** questions are **compulsory**.
iv) Figures to the **right** indicate **full** marks.

1. A) Answer the following questions :

- 1) How the warned out piston oil rings will affect the performance of an engine ? [1]
- 2) List out any four objectives of store keeper in automobile store. [2]
- 3) Write the procedure to check bent propeller shaft. [2]
- 4) Mention any four causes and remedies to overcome the trouble "High oil pressure". [2]

B) What procedure you will follow to do the registration of vehicle ? [3]

2. A) Answer the following questions :

- 1) Which liquid is used in the fuel tank rather than water as a safety measure to avoid explosion while repairing it ? [1]
- 2) How will you conduct vacume test of an engine ? [2]
- 3) Write procedure to do the cumbering of leaf spring. [2]
- 4) Give any four causes and suggest remedies to overcome the trouble "Poor Acceleration and lack of power" due to faulty fuel system. [2]

B) Write procedure to replace the warned out rack of "Rack and Pinion" type steering gearbox. [3]



3. A) Answer the following questions :
- 1) How choked oil filter will affect the engine efficiency ? [1]
 - 2) Write procedure to check the lateral run out of clutch plate. [2]
 - 3) State any four causes and suggest suitable remedies for the trouble "No power through respective gear of transmission". [2]
 - 4) Why does the basic inventory control level is maintained in an automobile spare part shops ? [2]
- B) Mention any three causes and suggest remedies for the following troubles : [3]
- 1) Brake drag
 - 2) Grabbing of brakes.
4. A) Answer the following questions :
- 1) Explain the term "Registering Authority" as per the Motor Vehicle Act. [1]
 - 2) List out any four causes of "Abnormal tyre wear". [2]
 - 3) Explain how you will check the injector by doing leak off test. [2]
 - 4) Write the procedure to check king pin inclination of bent axle beam. [2]
- B) How will you carry out the maintenance of cooling system ? (any six points) [3]
5. A) Answer the following questions :
- 1) What is the good working temperature of an engine ? [1]
 - 2) How will you check and adjust the backlash of sun and planetary gears of differential unit ? [2]
 - 3) Write procedure to do the lapping of engine valve seat. [2]
 - 4) How the work based factors are responsible for the job satisfaction ? [2]
- B) State and explain the reason to maintain the valve clearance of an engine. [3]
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