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**Time : 2 Hours****AUTO SERVICING & GARAGE MANAGEMENT****Subject Code**

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**Total No. of Questions : 5****(Printed Pages : 2)****Maximum Marks : 50**

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

1. (A) Answer the following questions :
- (1) Give any *two* reasons for excessive consumption of oil in engine. 1
  - (2) Why is valve timing necessary in engine ? 2
  - (3) Explain why cambering of leaf spring is done. 2
  - (4) What are the causes of clutch slipping ? 2
- (B) Write down any *six* defects of water colling system. 3
2. (A) Answer the following questions :
- (1) How is the cleaning of paper air filter done ? 1
  - (2) Write procedure to replace the Gear Box Oil of motorcycle. 2
  - (3) Write the procedure to rectify the trouble "Brake Drag" in braking system. 2
  - (4) How to increase the life of car tyre ? 2
- (B) State any *six* possible causes and remedies for 'hard steering'. 3

3. (A) Answer the following questions :
- (1) How will you repair the air cells of radiator ? 1
  - (2) How will you inspect service limits of Rotor type oil pump ? 2
  - (3) How will you control inventory in workshop ? 2
  - (4) Considering which points the vehicle inspector gives fitness certificate to the Vehicle ? 2
- (B) Write in detail the procedure to conduct compression test of petrol engine by using compression gauge. 3
4. (A) Answer the following questions :
- (1) What do you understand by brake winding ? 1
  - (2) How will you check the 'Stub axle' after accident of a vehicle ? 2
  - (3) What are the methods of storekeeping in spare part shop ? 2
  - (4) What steps are needed to do maintenance of Universal Joint ? 2
- (B) How will you overcome the trouble "Over Heating of an Engine" ? 3
5. (A) Answer the following questions :
- (1) What is vapour lock in fuel system ? 1
  - (2) How will you check the tooth contact between a crown wheel and pinion by using red lead Paste ? 2
  - (3) Mention any *four* employer based factors which effect job satisfaction. 2
  - (4) Explain the term 'Registering Authority'. 2
- (B) Write procedure to do the following test of injectors used in diesel fuel system : 3
- (1) Pressure test
  - (2) Spray test.