

**FACULTY OF ENGINEERING**

**B.E. 4/4 (Automobile Engg.) I – Semester (Supplementary) Examination, July 2014**

**Subject : Vehicle Maintenance**

**Time : 3 hours**

**Max. Marks : 75**

**Note: Answer all questions from Part-A. Answer any FIVE questions from Part-B.**

**PART – A (25 Marks)**

- 1 Name the records required to be maintained by motor vehicle garage.
- 2 Write 5 safety precautions in maintenance.
- 3 Explain the inspection procedure of piston.
- 4 List out the tools required for engine assembly.
- 5 Explain the troubles associated with gear box.
- 6 What is the reason for clutch not to be able to disengaging? How can it be rectified?
- 7 Write the procedure for inspection of battery charging system.
- 8 List out the parts of electrical system.
- 9 Write the procedure for changing lubricating oil.
- 10 Name the tests conducted for testing of injectors.

**PART – B (50 Marks)**

- 11 Write the functions of i) Road test report ii) Periodic maintenance iii) Trip sheet
- 12 Explain briefly the reconditioning methods of engine.
- 13 a) Explain the maintenance and servicing of an automobile gear box.  
b) Write the procedure for brake bleeding.
- 14 Explain the maintenance procedure for the ignition system and list out the most common problems that will affect the ignition system of a petrol engine.
- 15 Explain the following : i) Thermostat ; ii) Anticorrosion and anti freeze additives ; iii) Wheel balancing.
- 16 Explain the inspection procedure of i) Lubricating system ii) Cooling system
- 17 List out the different tools and equipments used in garages and service station.  
Explain the purpose of different tools with the help of neat sketches.

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