Sixth Semester B.Tech. Degree Examination
2013 Scheme
Branch: Automobile Engineering

13.601 VEHICLE MAINTENANCE (U)

Time: 3 Hours   Maximum: 100 Marks

(Answer All Questions in Part A and one question from each Module in Part B)

Part- A

1. What is running in instruction?

2. What are the main objectives of PMI?

3. Why do you mean by degreasing?

4. What do you mean by PDI?

5. What is the difference between clutch drag and clutch slip?

6. What do you mean by spongy brake pedal? How it can be rectified?

7. What is Wheel rout out? How it can be rectified?

8. What do you mean by reverse flushing?

9. What is turndown of arumatture shaft ? Why it is needed?

10. What do you mean by tuning of horn

(10 X 2 = 20 Marks)

Part- B

Module 1

11. a) What are the steps to be taken while starting a service station? Explain

    b) Draw the layout of a corner service station and state the various equipment's needed for the same.

OR

12. a) What is automobile stethoscope? Describe its use.

    b) What is engine tune up? How it is carried out?

[20 x 1 = 20 Marks]

Module 2

13. What are the steps involved in major overhauling of clutch? Explain in detail.

OR

14. What are the various stages involved in steering alignment and track alignment? Describe the steps involved..

[20 x 1 = 20 Marks]

Module 3

15. a) How do you carry out the carburetor tune up? Explain

   b) What do you mean by FIP calibration and phase setting? How it will be done

OR

16. a) What are the steps involved in servicing of cooling system? Describe briefly.

   b) What are the different additives added in the lubricants? Sate its uses.

[20 x 1 = 20 Marks]

Module 4

17. a) How the regulator setting is being done? Discuss.

   b) What do you mean by focusing and aiming of Head lights? Explain

OR

18. What is the importance of ignition timing? How ti is being done in old engines and new generation vehicle's with electronics ignition? Explain the steps involved.

[20 x 1 = 20 Marks]