

(Following Paper ID and Roll No. to be filled in your Answer Books)

Paper ID : 147801

Roll No. 

--	--	--	--	--	--	--	--	--	--

**B.TECH.**

**Theory Examination (Semester-VIII) 2015-16**

**TROUBLE SHOOTING SERVICING AND  
MAINTENANCE OF AUTOMOBILE**

*Time : 3 Hours*

*Max. Marks : 100*

**NOTE: ATTEMPT ALL SECTIONS.**

**Section-A**

**1. Attempt all Questions.** (2×10 = 20)

- (a) What do you mean by Breakdown Maintenance ?
- (b) What do you mean by Trouble Shooting ?
- (c) What do you mean by Delco eye ?
- (d) Explain the necessity of Servicing.
- (e) What do you mean by oil top up ?
- (f) What do you mean by Air Bleeding ?
- (g) List any two troubles of suspension system ?

(1)

P.T.O.

- (h) Explain the importance of Hydrometer test.
- (i) What is the necessity of a gear box ?
- (j) What do you mean by battery rating ?

### Section-B

2. **Attempt any five questions .** (10×5 = 50)

- (a) "Engine tuning is life extending activity". Justify the statement with suitable example.
- (b) What is Window Winding Mechanism? Discuss its working in detail. Also discuss common trouble occurring in window opening.
- (c) Enlist and discuss various defects occurring in painting with their cause and suitable remedies.
- (d) Explain Hydrometer test. Also discuss the common troubles of automotive horns and suggest their suitable remedies.
- (e) What are different types of battery rating? Name its types. Also discuss about Trickle Charging.
- (f) Write various objectives of transmission. Also discuss various troubles and their maintenance associated with the transmission.

(2)

- (g) What do you mean by Wire Harness? Discuss its importance in Automobile Electrical System. Also discuss procedure of head light focusing?
- (h) Name its various types of thermostat. Also explain the importance of Antifreeze in engine cooling system.

### Section-C

**Note : Attempt any two questions :** (15×2 = 30)

3. Differentiate between Scheduled and Unscheduled Maintenance. Also discuss the Importance of Routine Maintenance
4. Explain the procedure of lubricating oil change. Also enlist various tools which are used for maintenance, repair and overhauling.
5. What is the need to do regular Electrical Maintenance of a vehicle? What are the various troubles of storage battery used in a vehicle?