Roll No.						

### **Total No. of Questions: 09**

**Total No. of Pages: 02** 

## B. Tech. (AE) (Sem. 7, 8) VEHICLE MAINTENANCE & DIAGNOSTICS Subject Code: BTAE-702 Paper ID: A2933

Time: 3 Hrs.

Max. Marks: 60

# **INSTRUCTIONS TO CANDIDATES:**

- 1. Section A is COMPULSORY consisting of TEN questions carrying TWO marks each.
- 2. Section B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
- **3.** Section C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

## **SECTION-A**

- 1.
- a) What is Pre delivery Inspection?
- b) What is reliability centred maintenance?
- c) What do you understand by SAE40-50?
- d) Name the main sources of bearing failure.
- e) What are the advantages of CRDI?
- f) What is Assembly Line diagnostic link?
- g) What is IAT sensor?
- h) What do you understand by bleeding of brakes?
- i) The carbon from the cylinder head is removed by ......method.
- j) What is the function of PSP switch?

## **SECTION-B**

- 2. Discuss the thermography and corrosion monitoring system use for vehicle maintenance.
- **3.** Discuss the Computerize automotive maintenance system.
- **4.** Explain about the multigrade of lubricating oil.
- 5. Discuss the maintenance schedules for clutch system and gear box.
- 6. How are the worn-out bearings again bored to the original standard size?

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# SECTION-C

- 7. Discuss the specification of standard and non-standard tools use for vehicle maintenance.
- 8. Explain the procedure for engine removal from vehicle and disassembly of engine.
- 9. Write notes on:a) Performance and vibration monitoringb) Engine Diagnostic codes.