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Total No. of Pages : 02

Total No. of Questions : 09

**B.Tech. (AE) (2011 Onwards) (Sem.-7,8)**  
**VEHICLE MAINTENANCE AND 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. Write briefly :**

- a) What is the role of service advisor?
- b) What is CBM? List out its benefits.
- c) Explain thermography.
- d) What is reliability centered maintenance?
- e) What is the role of universal joints?
- f) Explain standard tool.
- g) Discuss CRDI technique.
- h) Explain cleaning procedure of engines.
- i) Explain wheel-balancer.
- j) Explain CALPAK.

**SECTION-B**

2. What is maintenance? Explain preventive maintenance.
3. Explain the maintenance schedule for gear box.
4. What is top overhauling?
5. Explain the piston oversize.
6. Discuss lubricant SAE 40-50.

**SECTION-C**

7. What is assembly line diagnostic link? Explain ALDL read out scan tool.
8. What is bleeding of brakes? Explain drum and disc brakes.
9. Write a note on the following topic :
  - a) Smoke meter.
  - b) Plug cleaner and tester.