Roll No.					Total No. of Pages : 02	2
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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

INSTRUCTION TO CANDIDATES:

- 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) How maintenance is classified?
- b) What is meant by pre delivery inspection?
- c) What are the objectives of condition based monitoring?
- d) How bleeding in brakes is done?
- e) What is the use of compression gauge?
- f) What is the function of tachometer?
- g) Why wheel balancing is required?
- h) Explain decarburizing.
- i) What is a differential?
- j) What is meant by engine inspection sheet?

SECTION-B

- 2. Differentiate between running and breakdown maintenance.
- 3. Explain thermography and corrosion monitoring.
- 4. Describe the function of engine analyzer.
- 5. Write a short note on assembly line diagnostic link connector.
- 6. Discuss the procedure of wheel alignment.

SECTION-C

- 7. Explain the lubrication and maintenance schedules for gear box of the vehicle.
- 8. Describe the process of engine removal from the vehicle for maintenance.
- 9. Write a note on cooling system maintenance and service.