

Total No. of Questions : 09

B.Tech.(AE) (2011 Onwards) (Sem.-7,8)
VEHICLE MAINTENANCE AND DIAGNOSTICS
Subject Code : BTAE-702
M.Code : 71818

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION 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 has to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students has to attempt any **TWO** questions.

SECTION-A

Q1. Answer briefly :

- a) Brief service advisor functions.
- b) What are objectives of Cbm?
- c) Write short note on cylinder boring and honing.
- d) Define analyzer.
- e) List the lubricants used in diesel engines.
- f) Illustrate MPFI.
- g) What is fuel vapour cannister?
- h) Write short note on service engine soon light.
- i) Illustrate maintenance of disc brakes.
- j) Brief about lapping of engine valves.

SECTION-B

- Q2. What is difference between workshop manuals and owner's manual?
- Q3. Explain the reliability centered maintenance.
- Q4. What are non-standard tools and what tools are used for denting?
- Q5. Discuss Engine troubles and diagnosis.
- Q6. Illustrate in detail about maintenance of wheels.

SECTION-C

- Q7. Explain the procedure for engine removal from vehicle in detail.
- Q8. What do you understand by computerized automotive maintenance system? What knowledge of diagnostic codes should engineer have?
- Q9. Write a note on :
- a. Running maintenance
 - b. Different sensors used in modern vehicles.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.