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Total No. of Pages : 02

Total No. of Questions : 09

B.Tech.(ME) (2012 Onwards) (Sem.-5)

AUTOMOBILE ENGINEERING

Subject Code : BTME-505

M.Code : 70606

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. Answer briefly :**

- a. Define toe in.
- b. Write different types of pistons.
- c. What is the function of air cleaner?
- d. What is exhaust gas recycle?
- e. What is advantage of framed chassis?
- f. What is overdrive?
- g. Define carcass of tyre.
- h. Write different types of brakes used.
- i. Write types of battery tests.
- j. Define engine tuning.

SECTION-B

2. Explain power steering with neat diagram.
3. Explain wishbone type suspension system with diagram.
4. Explain centrifugal clutch with diagram.
5. Explain construction and working of differential.
6. What is overdrive explain?

SECTION-C

7. Explain different types of battery testing.
8. Explain constant mesh and synchromesh gearbox.
9. Explain vacuum servo brake with neat sketch .

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.