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B.Tech.(ME) (2011 Onwards) (Sem.-5) AUTOMOBILE ENGINEERING

Subject Code: BTME-505 Paper ID: [A2132]

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 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. What is meant by unitary construction?
- b. What is the use of injectors in fuel supply system?
- c. Define crank case ventilation
- d. What are the different types of tyre wear?
- e. What is the function of a propeller shaft?
- f. What is the function of a universal joint?
- g. Define camber.
- h. What are primary and secondary brakes?
- i. What do you mean by battery testing?
- j. What do you mean by engine tuning?



SECTION-B

- 2. Explain Multi point Fuel Injection system with diagram.
- 3. With the help of a neat diagram explain the working of a radiator.
- 4. Explain different methods of battery ratings.
- 5. Describe the constructional features of a centrifugal clutch with a neat diagram.
- 6. Differentiate between conventional and transistorized ignition systems.

SECTION-C

- 7. What are the different sources of automobile pollutants? Explain pollution control techniques used in practice.
- Explain torque tube drive with its advantages. Man First Rainker com 8.
- 9. Explain different methods of battery testing.

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