



Term Evaluation (Odd) Semester Examination September 2025

Roll no.....

Name of the Course: B. Tech Mechanical

Semester: 7th

Name of the Paper: Automobile Engineering

Paper Code: TME 707

Time: 1.5 hours

Maximum Marks: 50

Note:

- (i) Answer all the questions by choosing any one of the sub-questions
- (ii) Each question carries 10 marks.

Q1.

- a. List the main components of an automobile and discuss their functions.

(10 Marks)

CO1

OR

- b. Define and classify the chassis. Discuss its functions.

CO1

Q2.

(10 Marks)

- a. Define automobile. Classify automobiles based on different parameters and discuss them briefly. **CO1**
OR

- b. Trace the history of automobile development from steam vehicles to electric vehicles. **CO1**

Q3.

(10 Marks)

- a. Explain the major applications of automobiles in modern society.

CO1

OR

- b. Write a note on the evolution of the Indian automobile industry. **CO1**

Q4.

(10 Marks)

- a. Draw and label the major engine components of an internal combustion engine. **CO2**

OR

- b. Discuss the manual transmission system of an automobile with a neat sketch. **CO2**

Q5.

(10 Marks)

- a. Discuss the functions of a clutch in an automobile. Discuss different types of clutches used in automobile. **CO2**

OR

- b. Discuss the different elements of suspension system used in automobile and its role in vehicle stability and comfort. **CO2**