



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. (10 Marks)
- a. List the main components of an automobile and discuss their functions. 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