

S.B. Roll. No.....

AUTOMOBILE ENGINEERING
6th Exam/MECH/5355/Jun'2021
(For 2018 Batch Onwards)

Duration: 1.15Hrs.

M.Marks:25

SECTION-A

Q1. Attempt any three questions.

3x5=15

- i. Define the term automobiles. How automobiles are classified?
- ii. Define the functions of clutches.
- iii. What are the different types of drives used in automobiles?
- iv. Explain CRDI system.
- v. Explain the purpose of differential in automobiles.
- vi. Draw neat sketch of hydraulic brakes and explain it.
- vii. Explain Ackermann steering mechanism?
- viii. What is specific gravity of electrolyte? Explain effect of temperature on specific gravity.

SECTION-B

Q2. Attempt any one question.

1x10=10

- a. Draw the layout of complete transmission system of an automobile and briefly explain each component.
- b. Write the comparison of MPFI with carburetor system
- c. Explain the working of constant mesh gear box.
- d. What is ABS braking? Explain construction and working of it.