

S.B. Roll No.....

AUTOMOBILE ENGINEERING
6th Exam/Mech./5355/Jan'2022
(FOR 2018 BATCH ONWARD)

Duration: 1.15Hrs.

M.Marks:25

SECTION-A

Q1. Attempt any three questions.

3x5=15

- i. Differentiate between coil spring and leaf spring.
- ii. Explain in brief about abs system.
- iii. Explain twin cam 16 valve technology.
- iv. Write the comparison of MPFI with carburetor system.
- v. What is wheel alignment? What are the factors which affect the wheel alignment?
- vi. What are the different types of drive used in automobile?
- vii. Explain the working of rack and pinion steering gear.

SECTION-B

Q2. Attempt any one question.

1x10=10

- a. Briefly explain the layout of complete transmission system of an automobile.
- b. Explain wishbone suspension system with the help of neat diagram.
- c. Explain the working of vacuum brake.
- d. Explain the working principle of 4 stroke diesel engine.