

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

THERMODYNAMICS-II
5th Exam/Mech./6953/Jun'2021
(For 2018 Batch Onwards)

Duration: 1.15Hrs.

M.Marks:25

SECTION-A

Q1. Attempt any three questions.

3x5=15

- i. Draw a neat sketch of Internal Combustion engine and show various parts on it.
- ii. What is a Carburettor and what are functions of a carburettor?
- iii. Draw a neat sketch of Coil Ignition system and show its various parts.
- iv. What are the requirements of fuel injection system in diesel engine?
- v. What is lubrication and explain its functions.
- vi. Explain Thermal efficiency and Relative efficiency.
- vii. What are the harmful effects of air pollutants?

SECTION-B

Q2. Attempt any one question.

1x10=10

- a. Give comparison between petrol and diesel engine. Give minimum 15 points.
- b. Compare Magneto Ignition system with Battery Ignition system. Also draw sketches of Magneto Ignition system
- c. What is necessity of fuel filters? Explain primary and secondary fuel filters.
- d. What are the various lubricating systems in internal combustion engine? Explain petrol or mist lubrication system.