

S.B. Roll No.....

**THERMODYNAMICS-II**  
**5<sup>th</sup> Exam/Mech./6953/Jan'2022**  
**(For Batch 2018 onwards)**

**Duration: 1.15Hrs.**

**M.Marks:25**

**SECTION-A**

**Q1. Attempt any three questions.**

**3x5=15**

- a. How to classify the Condensers?
- b. Explain Natural Draught cooling tower.
- c. Discuss the applications of Steam Turbines.
- d. Differentiate impulse turbine and reaction turbine.
- e. Discuss the function of thermostat.
- f. What are the advantages and limitations of Gas turbine?
- g. How the catalytic converter.
- h. Define Indicated power. Name the methods to find Indicated power.

**SECTION-B**

**Q3 Attempt any three Questions.**

**3x10=30**

- i. Explain with diagram four stroke diesel engines.
- ii. Explain the principle of working and advantages and disadvantages of Ram- jet engine.
- iii. Explain with neat sketch working of Battery ignition system.
- iv. What is the purpose of lubricant? Define its various functions.