

Enroll No

K.E.Society's
Rajarambapu Institute of Technology, Rajaramnagar
 (An Empowered Autonomous Institute, affiliated to SUK)
Unit Test -II (2025-26)

Q.P. Code
UT 350L

F.Y. B.Tech.-Electrical Engineering
Course Code: SH172 Course Name: Electrical Power Generation Technologies

Day & Date: Monday 01/12/2025

Time: 2:30 To 3:30

Max Marks- 25

- Instructions:**
- 1) All questions are compulsory.
 - 2) Figures in rounded() brackets within the question, indicate the scheme of marking for respective part of the question, whereas, figures in the first right column indicate total marks for that whole question.
 - 3) CO is the index number of the Course Outcome statement.
 - 4) The Bloom's taxonomy level (BL) for 1,2,3,4,5 and 6 is remember, understand, apply, analyze, evaluate and create respectively.
 - 5) Assume suitable data if necessary.
 - 6) Use of non-programmable calculators is allowed

	Marks	BT Level	COs
Q.1 A Explain in detail site selection criteria's of Nuclear power plant	6	1	1
B Draw neat labelled diagram of Nuclear power plant	6	2	1
OR			
B Classify the reactors used in nuclear power plant (2M) and explain any one in detail (4M).	6	2	1
Q.2 A Draw neat labelled schematic diagram of Hydro power plant (4M) and explain working of following components (1M each). i) Trash rack ii) Dam iii) Surge tank iv) Spill ways	8	1	2
B List the types of turbines used in hydro power plant (2M) and draw neat labelled diagram of any one turbine (3M).	5	2	2
OR			
B State the advantages (3M) and disadvantages (2M) of hydropower plant.	5	2	2

