

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 3174

S.Y. B. Tech.-Electrical Engineering

Course Code: EEMD201

Course Name: Electrical Power Generation

Day & Date: Friday, 19.09.2025

Time: 03:45 pm to 04:45 pm.

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 the energy conversion in thermal power generation (05). How Rankine Cycle works in Thermal Power Plant? (03)	8	2	CO3
	B Draw the layout of Thermal Power Plant (05). Label the parts and components in the layout (02).	7	3	CO3
	OR			
	B List the factors affecting site selection of Thermal Power Plant. Which are the problems associated with Thermal Power Plant?	7	3	CO3
Q.2	A Which are the factors affecting site selection of Hydro Power Plant?	5	2	CO2
	OR			
	A List the types of Hydro Power Plant. Explain one of them in detail.	5	2	CO5
	B List the advantages and disadvantages of Hydro Power Plant	5	2	CO2

