

Enroll No

Q.P. Code
UT 3492

Unit Test -I (2025-26)

F.Y. B.Tech.-Electrical Engineering

Course Code: SH172

Course Name: Electrical Power Generation Technologies

Day & Date: Thursday,16-10-2025

Time: 2.30 pm to 3.30 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 List the advantages of Conventional (Non renewable) (3M) and Non-conventional (Renewable) (3M) energy sources.	6	1	1
	B Explain government initiatives (2M) and policies towards the sustainable power system development (4M).	6	2	1
OR				
	B What is mean by Energy audit?(2M) List the objectives of Energy audit (4M).	6	2	1
Q.2	A List the types of boilers used in thermal power (2M) plant and explain any one in detail (6M).	8	1	2
	B Explain in detail site selection factors for Thermal power plant (1M each).	5	2	2
OR				
	B Draw neat labelled schematic diagram of Thermal power plant.	5	2	2

