



End-Sem Examination- Winter 2025

Academic Year: 2025-26	Semester: II
Name of Programme: Electrical Engineering	Pattern: 2023
Name of Course: Power Generation Technologies	Course Code: 2300118D
Max. Marks: 60	Duration: 2:30Hr.

Marking Scheme

Q. No.	Details	(stepwise marks)	Max. Marks
Q.1.	1. Air pre-heater 2. Economiser 3. Condenser	2 2 2	[6]
Q.2.	components of a gas power plant.Each 1 marks (any 6)	6	[6]
Q.3.	a) 1. Spillway 2. Surge Tank 3. Water hammer	3 3 2	[8]
	OR		
	b) working of Pelton turbine with neat diagram	6 2	
Q.3.	c) Given: Find Each Value 1 Mark	1 7	[8]
	OR		
	d) Given: Find Each Value 1 Mark	1 7	
Q.4.	a) types of wind turbine electrical generators	8	[8]
	OR		
	b) process Biomass energy conversion Flow chart	6 2	
Q.4.	c) Given: Find Each Value 1 Mark	1 7	[8]
	OR		
	d) Given: Find Each Value 1 Mark	1 7	
Q.5.	a) Direct Radiation ii) Diffuse Radiation iii) Global Radiation	2 3 3	[8]
	OR		
	b) I-V characteristics justification	4 4	
Q.5.	c) Given: Find Each Value 1 Mark Connection of Modules	1 5 2	[8]
	OR		
	d) Graph with Justification Values Both	8	