End-Term Examination

EIGHTH SEMESTER [B.TECH] MAY-JUNE 2019

Pape	er Code:	ETEE-426	Subject: Power Plant Instrume	ntation
Time	e: 3 Hour	S	Maximum Marks: 75	
Note	: Attemp	t any five questions including	Q.No.1 which is compulsory. A	ssume
	missing	g data if any.		
t c	o) Explain c) Why mo l) Compar	e power plant classified? Give the Flue gas flow diagram? Conitoring and control of speed is the Nuclear power plant with conversalled SCADA? How is it useful.	ventional power plants? I for power plant operations?	plant? 5×5=25)
Q.2.	•	three-element boiler drum level ior to both two-element and sing	control? How is three element level le-element controls?	l control (12.5)
	controll	•	earameters that should be monitored condition?	and (6.5) (6)
Q.4.	Explain b tube boi		tube boiler. What are its merits aga	ainst fire (12.5)
_	*	e importance of hydro electric pashort note on pollution by them		(6.5) (6)
	List vario	7 7	plain in detail the working of photo	voltaic (12.5)
Q.7.	Describe (distributed control systems in po	wer plant? Explain with suitable dia	ngram. (12.5)
	b) Write s	the importance of hydro electrical thort note on any two of the following the followin	wing:	(6.5)
(1) Pensto	ck (2) Spillways (3) Interlock (4)) water hammer	(3×2)
Q.9.		the components of nuclear pog of Nuclear power plant.	wer plant? Explain the block diag	ram and (12.5)