QP Code: 4791

		(3 Hours) [ Total Marks	: 80
	N.	B.: (1) Question no 1 is compulsory. (2) Attempt any three from the remaining questions. (3) Figures to right indicate full marks.	5
1.	(a)	Explain plant capacity factor and plant use factor	5
	(b)		5
	(c)	The state of the s	5
	(d)	Explain radioactive decay and half life.	5
2.	(a)	What are the different types of electric tariff? Explain any four in detail.	10
	(b)	With the neat diagram explain Ash handling plant in thermal power plant.	10
3.	(a)	Explain the working of PV cells with the neat diagrem.	10
	(b)	What are the different points to be considered while selecting the boiler?	10
4.	(a)	State and explain in brief classification of Flydro Electric Power Plant	10
	(b)	Explain working of liquid metal fast breeder reactor with diagram.	10
5.	(a)	Draw and explain the general layout of diesel power plant.	10
	(b)	Explain fluidized bed combustion process.	10
Ď.	(a)	What is solar pond? Explain solar pond electric power plant.	10
	(b)	Write a short note on MHD.	10