St. Electrical III CB95 CANCIG

QP Code: 30645

24.516

715

	(3 Hours)				i)	[Total Mar		
N.B.	(1) Question (2) Attempt (3) Figures	on No.1 is Co ot any three fr s to right indi	om the	remainin	g questions	3.		
1. (a)		ad curve and					U	5
(b)	and asi mandling system and asi mandling system							5
(c)	, , , , , , , , , , , , , , , , , , ,							
(d)	List the site	selection po	ints for	wind po	ower plant	1	The same	5
2. (a)	Explain the effects of fluctuating load on operation of power plant. Also describe methods of meeting fluctuating load.							
(b)	Explain the operation of pumped storage plant.							10
3 (a)	Draw the las	yout of therm	1					7
(b)	Draw the layout of thermal power plant Describe the operation of PWR							10
(-)		operation o	I WIK		187			10
4. (a)	Explain advantages and disadvantages of diesel powe rplant.							10
(b)	Describe the cells.	methods of	manuf	acturing	of mono a	and poly	crystalline PV	/ 10
5. (a)	A generating station has following daily load cycle.							10
	Time (Hrs)	0-6 6-10	6-10	10-12	12-16	16-20	20-24	
	Load (MW)	40 40	50	60	50	70	40	
	Draw Isada							
	Draw load curve and find:							
	i) Max demand ii) Units generated per day iii) Average load iv) Load factor							
	Explain operation of fluidized bed combustion.							40
	Jan, open	or mult	1200 00	ed collio	ustion.			10
i. (a)	Explain operation of horizontal axis wind turbine (HAWT)							10
(p)								10

FW-Con.: 11008-16.