QP Code: 14596

96

48

(3 Hours) [To

[Total Marks: 80

N.B.:	<ul><li>(1) Question I</li><li>(2) Attempt at</li><li>(3) Figures to</li></ul>	ny three	from the	he rema		estions.			6
1. (a) (b) (c) (d)	What are the e Explain the Ka Explain Carno Compare the n	aplan tur t cycle.	bine us	ed in hy	iro powe		?	·C	5 5 5 5
2. (a) (b)	What are the d Explain the flu						any fou	r in detai	l. 10 10
3. (a) (b)	Explain the working of PV cells with the neat diagram.  The maximum demand of a power station is 96000 kW. It has to supply the load as follows:—								
	Time (hrs)	0-6	6-8	8-12	12-14	14-18	18-22	22-24	

(i) Draw load curve and load duration curve.

60

(ii) Calculate load factor.

48

SE Electrical III congs

4.	(a)	Explain pumped storage plant	10
	20 <del>16</del> 18	Explain working of liquid metal fast breeder reactor with diagram.	10
5.		Draw and explain the general layout of diesel power plant.	10
	(b)	Explain typical layout of thermal power plant.	10
6.	(a)	Explain Horizontal Axis and Vertical Axis Wind Turbine.	10
	(b)	Write a short note on MHD.	10

72

60

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Load(MW)