PAPLOMA IN ELECTRICAL ENGINEERING (DELVI)

Term-End Examination

June, 2011

BIEE-029: POWER GENERATION SYSTEM

Time	. 2 he	ours Maximum Marks: 70
Note	fr	uestion number I is compulsory. Attempt any four one remaining questions. All questions carry equal arks.
1.	(a) (b)	running cost. $2x7=14$
	(c)	The MHD system generatesenergy.
	(d)	The capital cost per Mega Watt is highest in case of plant.
	(e)	The over all thermal efficiency of a thermal power plant lies in the range to
	(t)	is a basic building block to generate electricity in Solar System.
	(g)	In which place induced draft fans are located in the cooling tower. (a) The top (b) The bottom (c) In the middle (d) Can be anywhere in the cooling tower.

2.	(a)	Write down the application and characteristics of storage battery?	7
	(b)	Describe the design and operation of fuel cell?	7
3.	(a)	Describe the Prime movers for geo thermal conversion?	7
	(b)	What is Bio energy ?	7
4.	(a)	Describe the main parts and working of Steam Power Station.	7
	(b)	What are the types of steam turbine?	7
5.	(a)	Discuss different application in brief for Solar System.	7
	(b)	Describe the different types of energy storage.	7
6.	(a)	How are hydel plants are classified ? Explain them.	7
	(b)	What are the factors of selection of site for Hydro Electric Station ?	7
7.	(a)	Discuss various non conventional sources of energy.	7
	(b)	Describe briefly Flow diagram and their operation of power generation.	7