0		210	210	210	210	210	210	210						
0		egistration No lumber of Page	es : 02 5 th Semester	210 Regular / Ba	ERGY SYSTE		B.Tech PEE5J001	210						
	BRANCH : ELECTRICAL Time : 3 Hours Max Marks : 100													
0	Max Marks : 100 Q.CODE : E490 Answer Question No.1 (Part-1) which is compulsory, any EIGHT²from Part-II and any TWO from Part-III. The figures in the right hand margin indicate marks.													
0	Q1 a) b) c) d) e) f) g)	What are prima What percenta What do you u Define concen Name three co What are the of What is the eff	ary and second ge of energy renderstand by the tration ratio of electors requiring the tration of the tration o	a solar collectoring one- axis surect gap material roomplete shad	I-10) rces et by coal in In lo? 210 rtracking. s?	210	(2 x 10) 210	210						
0	i)		actors respons	sible for distribu	210	nergy on the surfa	ce of the	210						
0	c) d) e) f) g) h) i) k)	Discuss renew demerits Discuss and discuss the particular and desiccant cool Explain the curbiscuss the re What do you implications? With the help wind turbine. Explain the padvantages of Compare the plants	ferentiate between the conference of the confere	veen decentraling the performance evaporative sing solar energy cell mismate discuss the power, explain the function of biogestion of biomass and ces of a flo	(Answer Any II s of energy. He seed and disperse hance of flat plate e cooling, absorb solar cell .Alsorb cells. ch in a solar er versus wind unctions of various gas from biom ss? ating drum ar	ate collectors orption cooling and define the fill factor module and what speed characterious blocks of a Whass. What are that fixed dome type	I passive or. It are its stics of a ECS.210 the main	210						
0	I)	·	energy systems	s. What was the	e need for hybrid	d systems?	210	210						

210		210	210	210	210	210	210	210
210	Q3 Q4	Discuss the r sources and 21 context of glo Classify differ	main features of explain the imple implemental warming.	Part-III s (Answer Any Towarious types of portance of non- 210 r thermal collectors	renewable and r -conventional er 210 ors and show the	non-renewable er nergy sources in	the 210	210
	Q5	With the hel	p of block diag	re its main advan	-	standalone and	grid (8+8)	
210	Q6	interactive SF 21 Discuss differ	ent types of hybr	id systems.	210	210	210 (16)	210
210		210	210	210	210	210	210	210
210		210	210	210	210	210	210	210
210		210	210	210	210	210	210	210
210		210	210	210	210	210	210	210
210		210	210	210	210	210	210	210