Code	No: 118ED JAWAHARLAI B. Te	ch IV Year II S	Semester Exan	ninations, April		
ر ر Time	: 3 hours	(Electrical	BLE ENERG and Electronics	Y SOURCES Engineering)	Max. Mai	
Note:	This question pape Part A is compul consists of 5 Units marks and may ha	sory which can s. Answer any c	rries 25 marks one full question	n from each unit.	. Each questior	
			PART - A			
					(25 Marks)
1.a) b) c) d) e) f) g) h) i) j) 2.a)	Explain what is me What is the signific Classify the concernic Explain the working What is meant by Explain with basic What is hyper ther Draw cloud cycle Explain the concernic Explain the princip	cance of Zenith ntrating collect ng of solar dryin gradient height e equations the or mal field in geo of OTEC system of OTEC and S ple of Thermoio	n angle? ors. ng. and velocity? concept of phot othermal energy m. Seebeck effect. onic generator. PART - B	y and explain?		[2] [3] [2] [3] [2] [3] [2] [3] [2] [3] [2] [3] [2] [3] 50 Marks)
2.a) b) 3.a) b)	Calculate the angl pointing due south December 1. The of Explain what is monotonic Calculate the angle December 1, at 9.0 angle of latitude p	e made by the n located in New collector is tilte eant by sun shin gle made by b 00 A.M., solar t	beam radiation w Delhi (28 ⁰ 38 d at angle of 36 OR ne recorder and beam radiation ime for a locati	with the norma 1^{\prime} N, 77 ⁰ 17', E) a 1^{\prime} with the horizon 1^{\prime} solar radiation c with the norm on at 28 ⁰ 35' N. 7	at 9:00 hour, so ontal. lata? al to a flat co The collector is	lar time on [5+5]
4.a) b) 5.a) b)	What is the signifi Draw the line dia Explain different r What are different	gram and expla	ain the working OR nt heat storage t	g of paraboloidal	ine diagrams.	[5+5]
	J.J.					

6.a) b)	Describe hori: How are WEC	[5+5]							
7.a) b)	How do you p What is mean	[5+5]							
8.a) b)	Draw the line diagram and explain the working of Binary fluid geothermal power system. With the help of line diagram explain the heat extraction from hot dry rocks. [5+5] OR								
9.a) b)	Draw line dia Explain differ	[5+5]							
<u> </u>	Explain the principles of Direct Energy Conversion and with the help of line diagram, explain the working details of thermoelectric generator. [10] OR								
11.	Explain the limitations.	working of ope	n cycle MHD sy	vstem generatio	on and its adva	ntages and [10]			
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anna anna	raant oraant	sand sand	rand rand	raant oraant	sand sand	rand rand			