1	EOF	CBCS SCHEME						
	USN							18ME81
	Eighth Semester B.E. Degree Examination, Dec.2023/Jan.2024							24
	Energy Engineering							
	Tim	e: 3	3 hrs.				rks: 100	
	Note: Answer any FIVE full questions, choosing ONE full question from each m							dule.
tice.		110		<i>.</i>		dule-1	la de la dela de la dela dela dela dela	
s malpract	1	a. b.	List and expla Describe with	in the steps in Coal I a neat sketch La Mo	Handling	2.	tages.	(10 Marks) (10 Marks)
iges. I be treated as	2	a. b.	Describe with Summarize :	a neat sketch, Natur i) Super heater	O al Draug ii)	ght Cooling tow	er. List the advantages. iii) De Superheater	(10 Marks) (10 Marks)
g blank pa = 50, will		0.	iv) Air prehe	ater.	Mod	ule-2		
remainin eg, 42+8	3	a.		Solar radiation at Earne components of Fla	rths surf	ace with direct a	and diffuse solar radiati neat sketch.	on. (10 Marks) (10 Marks)
s on the s written		b.				R		
l cross line r equation	4	a. b.	Explain with Explain with	a neat sketch, KVIC a neat sketch, Fixed	type of dome ty	Biogas plant an πρεφbiogas plan	d list advantages. nt and list advantages.	(10 Marks) (10 Marks)
On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.	5	a. b.	List and desc Outline Sing	ribe the categories o le basin and Double	f forms	lule-3 of geothermal er ostem.	nergy.	(10 Marks) (10 Marks)
, compulsorily m. appeal to e	6	a. b.	List and expl Describe the	ain the Basic compo working of Horizon	ments of	DR f Wind Energy C type wind mills	Conversion System. and list advantages.	(10 Marks) (10 Marks)
Important Note : 1. On completing your answers, compulsorily d	7	a. b.	Summarize Outline the g	: i) Flow duration general layout of Hy	curve	dule-4 ii) Storage an er plants.	nd Pondage.	(10 Marks) (10 Marks)
On completing	Any revealing	a b	Summarize Describe wi	: i) Water Hamme th a neat block diagr	or	OR ii) Problem with neiple of OTEC	th OTEC. with Rankine cycle.	(10 Marks) (10 Marks)
rtant Note : 1.	vi 9) a b	Describe Fu Outline : i)	ision and Fission rea Nuclear fuels	ctions.	odule-5 eeding.		(10 Marks) (10 Marks)
Impor	1	0 a t	. Describe B 5. Summarize	oiling water reactor : i) Shielding	and list ii) Ra	OR the advantages. adioactive waste	disposal.	(10 Marks) (10 Marks)
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