

Reg.	No:			1								]			
	SIDI	OHART	'H INS	TITU	JTE O	FEN	GINE	ERIN	G & 7	ГЕСН	INOL	<u>.</u> OGY	:: <b>P</b> U	TTUR	
								ΟΜΟ							
		M.Tec	h I Ye	ar II S							s Oci	tober	-2020	D	
					S			GINEE	-	<b>;</b>					
Time:	2 hour	*0				(Ther	mal E	nginee	ering)				М	ax. Mar	leas 60
Time.	5 noui	. S		( )		11 57	• • •	•, =	10	<0 ) I	1 \		IVI	ax. Mai	KS. 00
				(A	Answei	r all Fi		nits 5 x	x 12 =	60 Ma	arks)				
<b>UNIT-I</b> <b>1</b> a. How do you check the quality of food water supplied to the Doilor?															
1		How do you check the quality of feed water supplied to the Boiler?												6M c 6M	
	<b>b</b> Find the Enthalpy and Entropy of steam when the pressure is 2 MPa and Spect Volume $0.09 \text{ m}^3/\text{Kg}$ .														
		June 0	, III	/118.			(	OR							
2	a Di	ifferentia	ate bety	ween ]	Fire tu	be boi	iler an	d Wat	er Tub	e Boil	ler.				<b>6</b> M
	b W	Write a brief note on IBR and Boiler standards.											<b>6M</b>		
							UN	IT-II							
3		st the pr	-			•									<b>6M</b>
	b Su												<b>6M</b>		
						. D'		OR				• • •	C .		
4		ame the				-					ong w	1th 1ts	funct	ions.	6M
<b>b</b> What are basic requirements of piping system in Boilers?															6M
5	a St													<b>6</b> M	
-		valuate t								J		J			<b>6M</b>
							(	OR							
6	a Do	escribe t	he wor	working of flash vessel with a neat sketch.											<b>6M</b>
	b W	'hat is th	e impo	ortance	e of ste	eam le			am dis	tributi	on sys	stem?			<b>6M</b>
	<b>UNIT-IV</b> <b>a</b> Explain briefly on the parameters needed for measuring boiler efficiency.														
7		-	•	-	-					-		ficien	cy.		6M
<b>b</b> Write short notes on Proximate and Ultimate analysis											al.				6M
8	a M	ention a	CCESSOI	ries of	f hoile	r Fvr		OR uper h	eater v	with n	eat ch	etch			6M
0		<ul><li>Mention accessories of boiler. Explain super heater with neat sketch.</li><li>What are the factors affecting the boiler performance?</li></ul>												6M	
						5		IT-V							
9	a W	a Write short notes on the importance of Control and Monitoring System of Boilers.													6M
		ocess In			-						-	•			6M
							(	OR							
10		ow can y													6M
	b₩	rite a sh	ort not	e on V	Naste	Minin	nizatio	on.							6M

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