

Reg.	No:			1]			
	SIDI	OHART	'H INS	TITU	JTE O	FEN	GINE	ERIN	G & 7	ГЕСН	INOL	<u>.</u> OGY	:: P U	TTUR	
								ΟΜΟ							
		M.Tec	h I Ye	ar II S							s Oci	tober	-2020	D	
					S			GINEE	-	;					
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)				
UNIT-I 1 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 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.				6 M
	b W	Write a brief note on IBR and Boiler standards.											6M		
							UN	IT-II							
3		st the pr	-			•									6M
	b Su												6M		
						. D'		OR				• • •	C .		
4		ame the				-					ong w	1th 1ts	funct	ions.	6M
b What are basic requirements of piping system in Boilers?															6M
5	a St													6 M	
-		valuate t								J		J			6M
							(OR							
6	a Do	escribe t	he wor	working of flash vessel with a neat sketch.											6M
	b W	'hat is th	e impo	ortance	e of ste	eam le			am dis	tributi	on sys	stem?			6M
	UNIT-IV a Explain briefly on the parameters needed for measuring boiler efficiency.														
7		-	•	-	-					-		ficien	cy.		6M
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		Mention accessories of boiler. Explain super heater with neat sketch.What are the factors affecting the boiler performance?												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

*** END ***