Reg.	N	0:															
SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR																	
							(AU	TONC	OMOU	S)							
		B.T	ech l'	V Yea	ar II S	emes	ter R	egula	ar Exa	imina	tions	s Sep	tem	nber	2020		
					P	OWE	R PL	ANT	ENGI	NEEF	RING						
						(N	/lecha	nical E	Engine	ering)							
Time:	3 h	ours]	Max.	Mark	s: 60	
					(A	nswer	· all Fi	ve Un	its 5 x	12 = 0	60 Ma	rks)					
					(11		unn	UN	IT-I	12 -	00 1010	ursj					
1	а	Explain the layout of gas turbine power plant.													6M		
_	b	Wha	t is the	e prese	ent pos	sition	of pov	ver in	India?								6M
				1	1		1	C)R								
2	a	Desc	ribe th	e layo	out of o	diesel	power	: plant	with 1	neat sk	tetch						6M
	b	What	t is a n	uclear	powe	er plan	t expl	ain its	layou	t with	neat s	ketch	•				6M
								UN	IT-II								
3	а	Desc	ribe hi	gh pre	essure	boiler	s and	their a	dvant	ages.							6M
	b	Expl	ain Su	iper C	ritical	boiler	's and	their a	dvant	ages.							6M
4		D:		.	161	1		C)R								
4	a b	Disc	uss ov ribo u	er lee	a fuel	beus.	-										6M
	D	Desc	inde u	nuerre			5.	TINI	T_III								UIVI
5	0	Describe a simple open evale gas turbing plant with a simple line diagram														6M	
5	a h	Com	nare a	close	d cycl	e gas i	urhin	es with	h open	cvcle	σas ti	irbine		igran			6M
	OR													UIVI			
6	a How does inter cooling help in improving thermal efficiency of the												gas p	ower	<i>M</i>		
		plant?														OIVI	
	b	Expl	ain the	e proc	ess of	reheat	ting ar	nd rege	enerati	on.							6M
	UNIT-IV																
7	a	Defi	ne dra	inage	area a	nd its	charac	cteristi	cs.								6M
	b	Disc	uss hy	drogra	aph an	d flov	v dura	tion cu	irve ar	nd thei	r use	for hy	dro	plan	ts.		6M
0		т :		. 1 1	1 4			C)R								
8	a h	List		e nyar	oelecti	ric po	for hu	ant au	xillari	es.	nlant						6NI GM
	D	поw	to ser	ect pr	ime m	overs	101 Hy			lower	piant.						OIVI
0	•	What	i nu	alaar f	uol on	dligt	had	UN.	$\frac{11 - v}{1}$	nualaa	r 0.00	avl					<u> </u>
9	a h	Fyple	is nuc	clear f	uel all	nroce		vantag		luciea	i ener	gy:					01VI 6M
	U	ълри	ann 11 U		1351011	Proce		ſ)R								UIVI
10	a	Defir	ne radi	oactiv	e was	te. Ne	cessity	y of its	s dispo	sal.							6M
-	b	Desc	ribe ra	dioact	tive w	aste di	isposa	l meth	ods.								6M
							-										

*** END ***