Q.P. Code: 18CE0117											R18					
R	eg.	No:	-]			
	8-	SIDDE	IART	H INS	TITU	ΤΕΟ	F EN	GINF		IG &	TECI	INOL	J	: PUTT	TUR	
							(AU	TON	OMOL	JS)						
		В. Т	ech II	II Yea	r I Se	meste	r Sup	pleme	entary	Exan	ninati	ons D	ecemb	oer-202	1	
			Н	YDRC	DLUG	Y&Y	WAII (Civ	E K KI il Eng	L SOU ineeriu	RCES	5 EINC	JINE	ERING	J		
Ti	Time: 3 hours Max.														. Mark	ks: 60
								PA	RT-A							
					(Ar	iswer	all the	Ques	tions :	5 x 2 =	= 10 N	larks)				
1	a	 a Write any 3 limitations of rational method. b Illustrate about an Aquiclude. c What is water requirement of crop. 											2M			
	D C											L2 L1	$2\mathbf{N}$			
	d	Write about the types of investigation carried for reservoir planning.											L1	2M		
	e	e Write the combination of loading for design of gravity dam.											L2	2M		
								PA	RT-B							
		(Answer all Five Units $5 \ge 10 = 50$ Marks)														
2	a	With the	help o	of a ne	at ske	tch, ex	xplain	the sin	ngle tu	ibe inf	iltron	neter.			L2	4M
	b	What do you mean by Hydrograph and Unit hydrograph? OR													L1	6M
3	a	Explain the factors, which affect the rate of evaporation.													L2	10M
4	a	Enumera	ate in c	letail a	ibout f	actor	affecti	ing du	ty of i	rrigati	on wa	ter.			L1	5M
	b	Explain	in deta	ul abo	ut the	metho	ods of	ımpro	ving d	uty.					L2	5M
5	The	left brar	nch cai	nal car	rving	a disc	harge	of 200	cumec	s has a	a Cult	urable	comn	nended	L3	10M
	area of 20000 hectares? The intensity of rabi crop is 80% and base period is									is 120						
	day	days. The right branch canal carrying a discharge of 8 cumecs has a Culturable									turable					
	com	manded	area (120)	of 120	00 he	ctares,	, inten	isity o	f irrig	ation	of rat	oi crop	o is 50	% and		
	Uast	e period	15 120	uays.	Comp		enne	UN	IT-III		Callal	Syster	115.			
6	a	Write the function of cross regulators and distributor head regulators.											L1	6M		
	b	Write the criteria to design the crest level and length of downstream floor in										loor in	L3	4M		
		cross reg	gulator	desig	n.				AC							
7	Exp	lain with	n neat :	sketch	about	the ty	pes of	f falls	in dan	n irrig	ation.				L2	10M
	1					,	1	UN	IT-IV	1						
8	a	Illustrati	ve the	criteri	a's to	select	the su	iitable	type	of cros	ss dra	inage	work.		L2	8M
	b	Write the	e three	classi	ificatio	ons of	aqued	lucts.				U			L1	2M
								(OR							
9	Des	cribe in o	detail	variou	s inve	stigati	ons to	be ca	rried f	or res	ervoir	plann	ing.		L3	10M
10	a	Explain with sketch about galleries in gravity dam.										L1	2M			
	b	Write br	ieily o	n vari	ous for	rces th	nat act	on a g	gravity	/ dam.					L2	8M
11	Dec	word a-	nlain	the al-	most-		file	f o	OR	0.000					1.2	101/
11	Dra	w and ex	piam	the ele	menta	ry pro	me of	i a gra	vity d	alli.					LZ	TUN

END