	Reg. No. :				90808
(16)	Question P	aper Co	ode : 8	50306	L a) Briefly et
CE 6703 -		venth Semes vil Engineer CES AND II	ster ing RRIGATI	ON ENGI	NEERING
Fime : Three Hou	ırs			Max	imum : 100 Mark
	Answ	ver ALL ques	tions.		
		PART – A		derastime	(10×2=20 Marks
1 What do you	mean by storage and	retarding re	sarroir 9		
(All)					
2. State the loca	ation where levees an	d flood walls	can be us	ed.	
3. Enumerate t	the Water Allocation p	oriorities of N	National V	Vater Policy	lo ⁸ m 008 (d
4. What do you	meant by the term W	ater Budget	2		
5. Define Field	Capacity terminology	r.			
6. Enumerate t	the factors affecting th	ie duty of wat	ter canal	system.	
7. What do you	mean by impounding	structures?		(O)	
8. State the dra	awbacks of Kennedy's	theory.			
	n favorable conditions	the sub-surfa	ace irrigat	ion is pract	iced?
			man man a man		

5030	6		
	PART -	В	(5×16=80 Mark
11. a)	Briefly explain the steps involved in water	er resources planning	;. (10
	(OR)		
b)	Define storage capacity of the reservoir. I	List out and explain tl	ne storage zones
	of reservior with neat sketch.		(10
12. a)	Summarize the consumptive use of water	r and the factor affecti	ing consumptive
	use of water. How will you measure it?		(10
	(OR)		
b)	List the impurities which make water unf	fit for irrigation and di	iscuss the effects
	of impurities in detail.		(10
13. a)	State and explain in detail about the ben		
	(OR)		
b)	800 m ³ of water is applied to a farmer's moisture content in the soil falls to 40% of capacity (36%) of soil and permanent wilt: Determine the field application efficiency Assume porosity = 0.4.	f the available water b ting (15%) of the soil cr	rop combination.
14. a)	What are the different types of cross drai canal alignment? State briefly the condi-		
		rie garbareami vi te	
b)	Enumerate the requirements of good lini	ing and discuss the fa	ctors which are
0)	responsible for selecting a suitable mater		(1
15. a)	Discuss briefly the various techniques use	ed for distributing wat	ter in the farms. (1
	(OR)		