P6	P6	P6	Po	P6	P6	P6	
Со	de No: 117JN		1	C11 A 0101	R13		
	JAWAHARI B. Tech I	LAL NEHRU T V Year I Seme	ECHNOLOGIC.	AL UNIVERS	ITY HYDERAE	BAD	
		WATER F	ŒSOURCES EN	GINEERING.	·II	n in in it	
	ne: 3 Hours		(Civil Engineer		Max. Marl	rs· 75	
Not	te: This question Part A is com	paper contains	two parts A and B carries 25 marks.	A 11			
	001131313 01)	Omis, Answer	any one full que e a, b, c as sub que	stion from eac	stions in Part A. h unit. Each qu	Part B lestion	
P6	P6	P6	-PART- A	P6	P6	5 Marks)	
1.a) b)	Distinguish be What is meant	tween a dam an by a detention (d reservoir.	:	(2	[2]	·
c)	Explain the pu	rpose of providi	ng galleries in dar	n.		[3] [2]	
d) e)	Write down ca	uses of failure o	ght of a gravity dan	n?		[3]	
$\begin{array}{c} \begin{array}{c} f \\ g \end{array}$	Write about Og	gee spillway. tween weir and				[3]	
h)	What is exit gr	adient? Explain				[2]	
i) `\ j)	When do we pre Explain the pure	rovide canal dro rpose of providi	p?			[2]	
	(- F	providi.	ng notenes.			[3]	
P6	P6	P6	PART-B	P6	D(50	Marks)	
2.a)	Define mass inf	low curve and d	emand curve. Exp	plain the proced	dure for finding s	torage	
b)	capacity of a res	servoir in order i	to meet a particula the selection of a	r rate of deman	d		
			OR			[5+5]	
(b)	How can water b	pe lost from a re	ls in a reservoir. E servoir How can	xplain with a r	controlled.	[5+5]	
4.	A concrete gravi Maximum water	ty dam has the f					
	Bed level		= 300.00 = 220.00				
	R.L of top of dan The d/s slope of (= 304.00		•		
	U/s face is vertical	al //~		DA -		DA	
(Consider only we	ight, water pres	ry = 8.0 m from sure and uplift				
(Calculate the max	cimum vertical s	tresses at the toe a	nd heel of the	dam, assuming 1	00%	
į	abute biossure at 1	me neer and 50%	% at the gallery and OR	d zero at the too		10]	
96	P6	- - 	P6	26	PA	PA	
				Security 1997	i Same		ł

