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## B. Tech IV Year I Semester Examinations, November/December - 2016 WATER RESOURCES ENGINEERING-II

(Civil Engineering)

Tim Note	Part A is compulsor consists of 5 Units carries 10 marks and	ry which carries  Answer any o	25 marks. Answe ne full question f	r all questions in a rom each unit.	ax. Marks: .75  Part A. Part B  Each question	
Note	:-Khosla's curves-will l	be made availabl	e		HC.	X
		]	PART- A			
1.a) b) c); d); e) f)	What are the various How the inflow of se Write short note on t Describe the treatme What are the seepage How hydraulic jump curve?	ediment into a re aplift force: on a g nt commonly give failures of earth	servoir can be con gravity dam: ven to the foundat n dam?	ion of gravity da	[2]	
g) h) i) j)	What is the purpose of What is meant by pip Briefly explain the fur Classify the canal mo	ing in the found nction of cross r			[3] [2] [3] [2] [3]	
		P	PART-B			
2.a)	Briefly describe rese	rvoir sedimenta	tion and the proc	edure to detern	(50 Marks) nine the life of a	*
b)	b) Classify dams based on their use. [5+:					
,	<i>y</i>		OR		[5,5]	
3.a) b)	Describe the procedurallustrate the advantage	e to determine sa es and disadvant	afe yield from a re tages of an arch da	servoir of a give nm.	n capacity.	2
4.	The following figure a co-efficient of friction the dam against slidin data not given	is 0.8 and weight g, overturning a	nt density of conci	rete is 2.4t/m³, cl vertical stress. A	neck the safety of assume any other	***
****	<i>S</i> ,	# X Y	**************************************	X	[10]	* * * * * * * * * * * * * * * * * * * *

