## B.Tech. CIVIL ENGINEERING (BTCLEVI) Term-End Examination

June, 2018

27700

## DICE O15 . WATED DECOLIDES ENGINEEDING

Tir	ne : 3 h	ours Maximum Marks	aximum Marks : 70	
Note: Attempt any five questions. All questions car equal marks. Use of scientific calculator permitted. Assume missing data, if any.				
1.	(a)	Describe the components of diversion type canal headwork.	7	
	(b)	Discuss the design procedure of Bligh's creep theory.	7	
2.	(a)	Define and describe the different types of spillways.	7	
	(b)	What is an Aquifer? Derive the expression of discharge for an unconfined aquifer.	7	
3.	(a)	What are the advantages of canal lining? List out the different lining materials.	7	
	(b)	What do you understand by canal fall? Discuss its importance in detail.	7	
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4.	(a)	How are the cross drainage works classified ? Discuss them with neat	
		diagrams.	7
	(b)	Describe the features of a river training work.	7
<b>5</b> .	(a)	Explain the types of diversion headworks.	7
	(b)	List out the different types of canal outlets and discuss them in detail.	7
6.	(a)	Explain the hydrological cycle with neat sketch.	7
	(b)	Define precipitation. Explain its importance in the study of hydrology.	7
7.	(a)	Describe the various components of a barrage with neat sketches.	7
	(b)	Explain the different types of dams with neat sketches.	7