## Code No: 117JN JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD B. Tech IV Year I Semester Examinations, March - 2017 WATER RESOURCES ENGINEERING-II

		(Civil )	Engineering)		
Time:	W 0 -05 0				Iarks: 75
Note:	This question paper control Part A is compulsory who consists of 5 Units. And carries 10 marks and may	nich carries 25 swer any one	5 marks. Answer a full question fro		
c) d) e)	What is a mass inflow cu Classify the reservoirs or What are the forces actin Explain the functions of What is rock toe in an ea Enumerate priming device What is the importance of Write a note on silt ejector	trve of a resert the basis of g on a gravity drainage gallerth dam?	their purpose. / dam? ery. spillways.		(25 Marks) [2] [3] [2] [3] [2] [3] [2] [3] [2] [3]
i)	How energy is dissipated		e fall?		[2]
j)	What is level crossing?	71			[3]
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		P	ART-B		
					(50 Marks)
2.a)	Describe the factors that	govern the se	lection of site for		
2.a) b)	Describe the factors that Explain in detail how the	govern the se	lection of site for a		(50 Marks)
b)	Explain in detail how the	govern the se	lection of site for a		
b)		govern the see life of a rese	lection of site for a rvoir is determined <b>OR</b>	d. Zib	
b) 3.a)	Explain in detail how the Describe various types o	govern the see life of a rese f dams. e considered file of a gravit 198 m; RL of mpressive str	lection of site for a rvoir is determined <b>OR</b> In the selection of ty dam of stone many for the selection of	a site for the dam?  nasonry given the foir = 228 m; Spec 1200 kN/m²; Asso, wave pressure and	[5+5] [5+5] following data: ific gravity of ume weight of d silt pressure.
b) 3.a) b)	Explain in detail how the Describe various types of What are the factors to be Design the practical profession RL of base of dam = masonry = 2.4; Safe comasonry to be 20kN/m <sup>3</sup>	govern the see life of a rese f dams. e considered file of a gravit 198 m; RL of mpressive str	lection of site for a rvoir is determined <b>OR</b> In the selection of ty dam of stone many for the selection of	a site for the dam?  nasonry given the foir = 228 m; Spec 1200 kN/m²; Asso, wave pressure and	[5+5] [5+5] Collowing data: ific gravity of ume weight of d silt pressure. To the dam.
b) 3.a) b) 4.	Explain in detail how the Describe various types of What are the factors to be Design the practical profession RL of base of dam = masonry = 2.4; Safe comasonry to be 20kN/m <sup>3</sup>	govern the see life of a reset of dams.  e considered of a gravity of the second of th	lection of site for a rvoir is determined <b>OR</b> In the selection of ty dam of stone not ty dam of stone not ty dam of reservoir ess in masonry = though the pressures, mmendations. Det  OR  e forces acting on	a site for the dam?  nasonry given the foir = 228 m; Spec 1200 kN/m²; Asso, wave pressure and ermine the stability	[5+5] [5+5] Collowing data: ific gravity of ume weight of d silt pressure. To the dam.
b) 3.a) b) 4.	Describe various types of What are the factors to be Design the practical properties of the Design the	govern the see life of a reserved from the considered file of a gravity of a gravity of the considered struck of a gravity	lection of site for a rvoir is determined <b>OR</b> In the selection of ty dam of stone not ty dam of stone not ty dam of stone not ty dam of reservoir ess in masonry = though the pressures, mendations. Det <b>OR</b> In the selection of ty dam of ty dam?	a site for the dam?  nasonry given the foir = 228 m; Spec 1200 kN/m²; Asso, wave pressure and ermine the stability  a gravity dam?	[5+5] [5+5] Collowing data: ific gravity of ume weight of d silt pressure. of the dam. [10]