No. of Printed Pages: 2 ET-536(A)

B.Tech. Civil (Water Resources Engineering) Term-End Examination

June, 2017

00915

ET-536(A): HYDRAULIC STRUCTURES - I

Time: 3 hours Maximum Marks: 70			
Note: Attempt any five questions. All questions carry equal marks. Use of scientific calculator is permitted.			
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1.	(a)	With the help of neat sketches, discuss various types of reservoirs.	7
	(b)	Give a brief note on cumulative plotting of net reservoir inflow against time with a neat sketch. Also give its uses.	7
2.	(a)	Describe the adverse environmental effects of dams and reservoirs.	7
	(b)	What are the empirical relations for estimating sedimentation rates of major Indian rivers?	7
3.	(a)	What are the various factors to be considered in the selection of a dam site?	7
	(b)	What are the various types of dams and how are they classified?	7
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