

L. D. COLLEGE OF ENGINEERING, AHMEDABAD (GTU)

7th Semester Civil Engineering - PDDC 2013 Batch

Subject Code & Name : X70601 - Design of Hydraulic Structures

Assignment - 1 (Elements of Dam engineering)

Date : 29-06-2016

Theory:

1. What is dam? Why it is constructed?
2. Give details classification of dam.
3. Explain embankment dam.
4. Give advantages & disadvantages of
 - (a) Gravity Dam
 - (b) Arch Dam
 - (c) Buttress Dam.
5. Describe characteristics of concrete dam.
6. Describe factor governing for the selection of types of dam.
7. Explain spillway & explain in details Location of spillway, Requirement of spillway and Component of spillway.
8. Enumerate different type of spillway used in dam. Explain it with sketch.
9. Explain energy dissipation work below spillway.

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