

CE-205: Channel Hydraulics
Tutorial 5; B. Tech. Civil II Year

Q1. An Ogee spillway is to be designed for passing a discharge of $100 \text{ m}^3/\text{s}$. The spillway characteristics are as follows:

Width of Spillway = 5 m; Height of crest above channel bed = 20 m;

Perform the following tasks

- (i) Compute the head over crest with the design head being equal to the operating head
- (iii) Compute the spillway profile coordinates considering the nappe to be a projectile.