

B.Tech III Year II Semester (R09) Supplementary Examinations May/June 2016

WATER RESOURCES ENGINEERING – II

(Civil Engineering)

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks

- 1 (a) Write a note on foundation problems for dams and their remedies.
(b) Discuss and differentiate overflow and non overflow dams.
- 2 List the various forces acting on a gravity dam? Explain any four in detail.
- 3 (a) What is a rock-fill earth dam?
(b) Explain the various seepage control measures in an earth dam.
- 4 (a) Explain side channel spillway with sketches.
(b) Explain tunnel spillway in detail with sketches.
- 5 Write short notes on:
(a) Under sluices.
(b) Guide bund.
- 6 What are the components in canal fall? Explain functions of each component.
- 7 Write down the differences between Head Regulator & Cross Regulator.
- 8 (a) Discuss various types of cross drainage works used in canal systems.
(b) How the design of aqueduct is different from of a super passage?
