

R09**Code: 9A01604**

B.Tech III Year II Semester (R09) Supplementary Examinations December/January 2015/2016

WATER RESOURCES ENGINEERING – II

(Civil Engineering)

Time: 3 hours

Max Marks: 70

Answer any FIVE questions
All questions carry equal marks

- 1 What is a Timber dam? Explain the various types of timber dams with figures.
- 2 (a) Explain the practical profile of a Gravity dam.
(b) What is a Gallery in a dam? List the various purposes for which a gallery is formed in the dams.
- 3 What is an Earth dam? Explain the different types of earth dams.
- 4 (a) Explain Straight Drop spillway with sketches.
(b) Explain Ogee spillway with sketches
- 5 Discuss the Bligh's creep theory. What are its limitations?
- 6 What are Roughening devices? Discuss their use in construction of falls.
- 7 What do you know about Kennedy's gauge outlet? Explain the use of it.
- 8 Explain various methods of Reducing Uplift on the floor.
