

Code: CE8T5C

IV B.Tech-II Semester–Regular/Supplementary Examinations–April 2017

**WATERSHED MANAGEMENT
(CIVIL ENGINEERING)**

Duration: 3 hours

Max. Marks: 70

Answer any FIVE questions. All questions carry equal marks

1. a) Write a brief note on multi-disciplinary approach for Watershed Management. 7 M
- b) Define Watershed. What are the objectives of Watershed Management? 7 M
2. a) What are the different characteristics of Watershed? 7 M
- b) Explain the basic data required for water shed development? 7 M
3. a) Discuss the factors affecting Soil erosion. 7 M
- b) Describe briefly Universal soil loss equation. 7 M
4. a) Explain briefly Rock-fill dams. 7 M

- b) Suggest the best management practices of soil erosion. 7 M
5. a) What are the different ways of Rainwater harvesting? 8 M
- b) Write a short note on artificial recharge. 6 M
6. a) Write a brief note on appropriate Land use. 6 M
- b) Write a short note on Reclamation of saline & alkaline soils. 8 M
7. a) What is crop husbandry? Discuss the components. 7 M
- b) Explain briefly about social forestry and afforestation? 7 M
8. a) What is Watershed Management activity? Explain briefly. 7 M
- b) Discuss the different ways of public participation in watershed planning activities. 7 M