

Code: CE8T5C

IV B.Tech - II Semester – Regular Examinations – April 2016

**WATERSHED MANAGEMENT
(CIVIL ENGINEERING)**

Duration: 3 hours

Max. Marks: 70

Answer any FIVE questions. All questions carry equal marks

1. a) Write the need for Watershed Development in India. 7 M

b) What is an Integrated Watershed Management? Explain the Integrated and Multidisciplinary Approach for Watershed Management. 7 M
2. a) Explain the Socio-Economic Characteristics of Watershed. 7 M

b) What are the Different Characteristics of Watershed? Explain. 7 M
3. a) Discuss about the Factors affecting Soil Erosion. 7 M

b) Explain about Estimation of Soil Loss due to Erosion and Universal Soil Loss Equation. 7 M
4. a) Discuss the Measures to Control Erosion. 7 M

- b) Explain about Rock fill Dam and Brushwood dam. 7 M
5. a) Write about Rainwater Harvesting and Give Examples. 7 M
- b) Explain about Soil Moisture Conservation. 7 M
6. a) Discuss about Reclamation of Saline and Alkaline Soils. 7 M
- b) Classify Land Use and Land Capability and Explain About Management of Forest and Agricultural Grassland. 7 M
7. a) What is Soil Enrichment and Give Examples. 7 M
- b) What is Sustainable Agriculture and Bio-Mass Management? Discuss the Components. 7 M
8. a) Discuss the Different Ways of Public Participation In Watershed Planning Activities. 7 M
- b) Explain the Salient Administrative Approaches in Watershed Management. 7 M