



B.E./B.Tech (Full Time) DEGREE AREAR EXAMINATIONS, MARCH/APRIL 2013

AGRICULTURAL AND IRRIGATION ENGINEERING

SEVENTH SEMESTER

CE 9037 – PARTICIPATORY IRRIGATION MANAGEMENT

(REGULATION 2008)

Time :3 hr

Max Mark : 100

Instructions: 1. In part - B question no. 11 is compulsory.

Answer All Questions

Part – A (10x2=20 Marks)

1. Define Society.
2. Explain any two importance of decision making in Irrigation Water Resources Management.
3. Explain farmers participation in increasing production and productivity.
4. Briefly explain the participation of farmers and control structure activities.
5. Write briefly the role of women in Irrigation Water Management.
6. Briefly explain the term 'participatory'.
7. Describe any one of the objectives of national water policy.
8. What is building from below?
9. Write a short note community organiser.
10. What is meant by culture?

Part – B (5x16=80 Marks)

1. Explain the impact of technology on production and productivity by exploring the accountability of farmers in addressing societal needs through participatory management. 16
2. a.i What is social transition? Describe the different stages of development that ushered human development. 10
  - ii. Explain the origin of water policy 6

or

- b.i. Critically review the different strategic approaches used in developing farmers in irrigated agriculture. 8
- ii. Elaborate policy considerations with example by contextualising it to the present Conditions 8
13. a.i Explain choices in the organizational design with reference to irrigated agriculture 8
- ii. Elucidate the contemporary technological advancements with reference to global development. 8
- or
- b.i Explain factors in the environment in the context of participatory research 16
14. a. Explain the different methods in understanding the agency relations in irrigated agriculture. 16
- or
- b.i. Exemplify: Individual and society, Society and community with reference to rural development. 10
- ii. Elaborate the constraints involved in organizing farmers organization. 6
15. a.i Explain with example the technological changes and their influence on social, economic and political system. 16
- or
- b.i Explain the relevance of the application of sociology in engineering domain. 10
- ii. Explain water use activities in the tropical regions with a case study of your own Choice. 6