

Roll No.

--	--	--	--	--	--	--	--	--	--

B.E./B.Tech (Full Time) DEGREE END SEMESTER EXAMINATIONS, NOV/ DEC 2012

CIVIL ENGINEERING BRANCH

SEVENTH SEMESTER

CE 9037 - PARTICIPATORY IRRIGATION MANAGEMENT

24

(REGULATION 2008)

3 Hours

Answer ALL Questions

Max. Marks 100 Time

Part – A (10x2=20 Marks)

1. Give a comprehensive definition of society and the industrial society?
2. What is meant by bottom up approach?
3. List down the water use activities practiced in tropical zones?
4. Explain in brief the leadership responsibilities.
5. Write short note on "turn-out"
6. Write a short note on irrigation bureaucracy.
7. Write a short note on gender and sanitation in the developing world.
8. Briefly write about the importance of communication?
9. Write the ill effects of the non existence of farmers' organization
10. Write a short note on decision making.

Part – B (5x16=80 Marks)

11. Substantiate the need of the alliance between technocrats, bureaucrats and WUA's in irrigation management in developing Countries? 16
 12. a. 1. Examine with example the strategic approach of technology transfer in Irrigation water management. 8
2. Compare and contrast the water policy frameworks of India with that of Tamil Nadu. 8
- OR**
- b.1 Discuss emphatically the need of farmers participation in irrigation management with view to increase food security in the third world countries. 8
 2. Can irrigation efficiency be achieved through farmer's participation? If so, what Kind of activities are done in irrigation management? 8

13. a.1. Describe irrigation management experiences of different countries by way-of
Pinning down the factors in the environment. 10
2. Examine with example 1. Big bang vs blue print 6
2. Melons on the wine.
3. Social Stratification
4. Conflict Resolution

OR

- b.1. Elucidate WUA its structure and function in the developing countries. 8
2. Explain the success and failure in the operation of WUA in different countries. 8

14. a.1. Explain the user roles in irrigation water management with special reference to
structure. 8
2. Explain the various water use activities in terms of operation and maintenance
with example. 8

OR

- b.1. Explain the policy considerations in organizing WUA with relevant examples. 10
2. Explain Bureaucratic reorientation and Agency incentives with examples. 6

15. a.1. Examine equity and equality in the context of third world water sharing.. 10
2. Explain: NIA, Gal Oya, Gezira and Sanjo. 6

OR

- b. 1. Describe the means through which farmers participation can be improved. 8
2. If legal frameworks are necessary in irrigation management, explain how they
are useful to the farmers?. 8