

Total No. of Pages :02

Total No. of Questions : 09

B.Tech. (CE) (Sem.-6th)

IRRIGATION ENGINEERING-I

Subject Code : CE-306

Paper ID : [A0620]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students has to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students has to attempt any TWO questions.

SECTION-A

1. Write briefly :
 - a. List the various types of lining of canals.
 - b. Write short note on conjunctive use of surface and ground water.
 - c. Distinguish between Delta, duty and base period.
 - d. What is a Inundation Canal?
 - e. List the various types of Canals.
 - f. In what situations lined canals are preferred?
 - g. Explain the factors affecting the requirements of water.
 - h. List the various types of river training works.
 - i. Why drainage is provided behind lining of canals?
 - j. Discuss the importance of alignment of canals.

SECTION

2. Explain the drawbacks of Lacey's The
3. What is Sprinkler irrigation ? Describe Sprinkler irrigation system.
4. Discuss the factors affecting Seepage explain the two conditions of seepage
5. Explain the procedure of designing an theory, given Q , Kutter's N , m and S .
6. Discuss the classification of various typ

SECTION.

7. Discuss the stepwise procedure for the
8. Explain the procedure for the rehabilita
9. Explain the following :
 - a. Advantages of River Training Work
 - b. Economics of Irrigation Works.
 - c. Artificial Cutoffs.
 - d. Slotted type Tubewell.