

- Q.4 Irrigation canal are generally aligned along; (CO5)
 a) Contour line b) Watershed line
 c) Straight line d) Valley line
- Q.5 Which type of motor is typically used in submersible pumps to ensure reliable Underwater operation. (CO4)
 a) Synchronous motor b) Induction motor
 c) Universal motor d) Slipper motor
- Q.6 Which state utilizes the highest amount of chemical fertilizer in India; (CO1)
 a) Rajasthan b) Punjab
 c) Uttar Pradesh d) Haryana

Section-B

Note: Objective/Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 The supply of water to crops at different intervals is called _____. (CO2)
- Q.8 Duty it is the relation between the _____ and the quantity of water used. (CO3)
- Q.9 Chute spillways are used at _____slop. (CO5)
- Q.10 Write the formula of Darcy's Law. (CO5)
- Q.11 The two famous methods of irrigation the field are _____ and _____ irrigation methods. (CO3)

- Q.12 The area served by a canal system through supply of water for irrigation and other purposes is called a _____. (CO5)

Section-C

Note: Short answer type Questions. Attempt any eight questions out of ten Questions. (8x4=32)

- Q.13 What are the various quality parameters for irrigation water and their importance. (CO3)
- Q.14 Lists the various types of centrifugal pumps. (CO3)
- Q.15 Write a short note on evaporation and evapotranspiration. (CO3)
- Q.16 What are the different types of water bearing formations. (CO5)
- Q.17 Explain any two benefits of sprinkler irrigation system. (CO2)
- Q.18 Write a short note on subsurface irrigation. (CO2)
- Q.19 What is the criteria for selecting pumps for irrigation. (CO4)
- Q.20 Explain different type of impeller used in centrifugal pumps and explains any one of them. (CO4)
- Q.21 Describe hydraulic conductivity and storage coefficient. (CO5)
- Q.22 What are the different factors that affects duty. (CO3)