School of Engineering
B.TECH Civil Engineering
Mid Term Examination - May 2024

Duration : 90 Minutes
Max Marks : 50

Sem IV - G1UA401T - Hydrology and Hydraulic Systems

General Instructions
Answer to the specific question asked
Draw neat, labelled diagrams wherever necessary
Approved data hand books are allowed subject to verification by the Invigilator

1) Discuss sub surface irrigation.   K2 (2)

2) Explain Scientific Hydrology.   K1 (3)

3) Draw the scematic sketch of catchment of river.   K2 (4)

4) Enlist all techniques of water distribution in farms.   K2 (6)

5) Describe briefly sprinkler irrigation method.   K3 (6)

6) What is meant by hydrological cycle ? How can the parameters of the cycle be written in an equation form ? Draw a neat diagram to illustrate your answer.   K3 (9)

7) Explain briefly the distribution of fresh water resources in the world.   K4 (8)

8) Explain any one method of estimation of consumptive use, blaney criddle equation or penmans equation.   K4 (12)

OR

Discribe brifly Advantages of irrigaton in india   K4 (12)