School of Civil Engineering
Civil Engineering
ETE - Jun 2023

Time : 3 Hours   **Marks : 50**

Sem IV - G1UA401T - Hydrology and Hydraulic Systems
Your answer should be specific to the question asked
Draw neat labeled diagrams wherever necessary

1.	Give definitions: Water budget equaion for hydrology.	K1 CO2 (2)
2.	Define storage in surface hydrology.	K1 CO1 (2)
3.	Define the term time of consentration, basin, main stream.	K2 CO4 (2)
4.	What is the efficiencies of a Pump ?	K2 CO5 (2)
5.	Define Horton's equation?	K2 CO3 (2)
6.	Explain South West Monsoon .	K3 CO2 (5)
7.	Explain how various conditions contribute to water loss through evaporation.	K3 CO1 (5)
8.	Draw the layout of a Hydro-Electric Power Plant ?	K4 CO3 (6)
9.	Discribe the working principal of Rotary pumps with figure?	K4 CO3 (8)
10.	Explain the working of Positive Displacement Pumps ?	K5 CO4 (8)
11.	Explain the classification of turbine all type?	K5 CO5 (8)