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School of University Polytechnic

Diploma in Civil Engineering
Semester End Examination - Nov 2023

Duration : 180 Minutes
Max Marks : 100

Sem V - N1DB502T - Irrigation EngineeringGeneral 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) What is the unit of Duty? K1 (2)
- 2) Explain mechanical devices of lifting water. K2 (4)
- 3) Explain different types of rain guage K2 (6)
- 4) Illustrate the different types of aqueduct. K3 (9)
- 5) Illustrate the different types of earthen dam. K3 (9)
- 6) Evaluate delta for a crop in cm if the duty for a base period of 120 days is 1450 Hectares/m³/sec. K5 (10)
- 7) Draw the diagram of different types of fall and explain their uses. K4 (12)
- 8) Evaluate delta for a crop in cm if the duty for a base period of 120 days is 1100 Hectares/m³/sec. K5 (15)
- 9) Evaluate delta for a crop in cm if the duty for a base period of 120 days is 1000 Hectares/m³/sec. K5 (15)
- 10) Explore the causes of failure of earthen dam K6 (18)