



VIT

Vellore Institute of Technology

(Chartered by University under section 3 of UGC Act, 1956)

SCHOOL OF CIVIL ENGINEERING

Continuous Assessment Test - I, September 2023

B.Tech. (Civil Engineering), Fall Semester -2023-24

: VL2023240103836

Nbr.

: BCLE216L

Duration : 90 Minutes.

Course Code

Max. Marks : 50

Course Name

: Water Resource Management

Slot : F1+TF1

Faculty-In-Charge: Dr. L. Vignesh Rajkumar

Answer all the questions 5X10 = 50 marks

1. Describe the hydrologic cycle with neat sketch and explain briefly the human interference in various parts of this cycle.
2. "Water is a multi-dimensional resource". Justify and explain the salient features and necessity of International Water Policy.
Explain in detail about water availability in global and Indian scenarios.
4. What are the main parameters influencing the quality of water and mention its adverse effects on environment and human health?
5. Discuss in detail about the applications of remote sensing in water hydrological modelling and water resources management.