

**VIT**Vellore Institute of Technology
(Deemed to be University under section 3 of U.O. Act, 1956)

SLOT: A1 + TA1

**SCHOOL OF CIVIL ENGINEERING
CONTINUOUS ASSESSMENT TEST – I
WINTER SEMESTER 2023-2024****Programme Name & Branch : B. Tech Civil Engineering****Course Name & code : BCLE301L Concrete Technology****Class Number (s) : 0500 & 0497****Slot : A1+ TA1****Maximum Marks: 50****Faculty Name (s) : Dr. T. Meena & Dr. OM. Suganya****Exam Duration : 90 Mins.****General instruction(s): Answer all questions.**

Q. No	Question	Marks
1.	What are binders? Briefly explain the types of the most used binder with its application.	10
2.	Discuss the tests you would perform on coarse aggregates to check its suitability in concrete. Explain any two tests in detail.	10
3.	In concrete, water is an important ingredient. Can you enumerate the qualities of water used in the preparation of concrete and the result of water with impurities.	10
4.	State the important properties of fresh concrete, Describe any two tests for the same with neat sketch.	10
5.	List out all the chemical admixtures used in the preparation of concrete and explain any two in detail.	10
