



VIT[®]

Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

SCHOOL OF CIVIL ENGINEERING
Continuous Assessment Test-I August 2018
B.Tech. (Civil Engineering), Fall Semester 2018-19

Course Code	: CLE 1007	Duration	: 90 Minutes.
Course Name	: Construction Material and Techniques	Max. Marks	: 50
Faculty-In-Charge:	Dr. J. Jayaprakash / Dr. S. S. Ajeesh	Slot	: A2+TA2
Class Number	: 3712/1847		

Answer all the questions

(5 X 10 = 50 marks)

1. Briefly explain the role of civil engineer to the society. State the recent accomplishments of the civil engineering profession.
2. Elaborate the classification of stones based on geological, physical, and chemical characteristics. *Siliceous, Argillaceous, Carbonaceous*
3. What is fineness modulus? Explain the method for calculating the fineness modulus of coarse aggregates.
4. As an engineer, you are required to assess the quality of sand. Explain any tests to assess the quality of sand. *Bulk density, Moisture content*
5. What are the qualities of an ideal brick? Explain any three tests to assess the quality of ideal brick. *Compression, Water absorption, Efflorescence*



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