



ACE
Engineering College
(An Autonomous Institution)

Question Paper Code:

CE403PC

ACE-R20

Semester End Examination
II B. Tech- II Semester- AUGUST -2022
BUILDING MATERIALS, CONSTRUCTION AND PLANNING
CIVIL ENGINEERING

Time: 3 Hours

Max. Marks: 70

H. T. No

Answer any 5 Questions out of 8 Questions from the following

Q.No	Question	Marks
1.	Explain the classification of rocks ? Give example of each type?	14
2. a)	Differentiate between exogenous trees and endogenous trees?	6
b)	Explain the classification of bricks with neat sketch?	8
3. a)	List out the various grades of cement in India?	4
b)	Explain any type of manufacture of cement with the help of flow diagram?	10
4. a)	Explain about different mineral admixtures?	7
b)	Write short notes on: a) Soundness test of cement b) Tensile strength test of cement	7
5. a)	Define the term 'foundation'? Explain in detail various types of building foundations?	7
b)	Explain about the types of roofs?	7
6. a)	Differentiate between brick masonry and stone masonry?	7
b)	Explain about the types of bonds in brick work?	7
7. a)	What is underpinning of structure? Explain the methods of underpinning?	10
b)	Write any four basic principles of building planning?	4
8. a)	Explain the various types of classification of building?	7
b)	Define building planning. State its significance?	7