



National Institute of Technology, Kurukshetra
Department of Civil Engineering
Mid Semester Exam- I (Sept 2025)

Programme: B.Tech (Civil Engineering)

Section: CE-A & B

Semester: 3rd

Session: 2025-26

Course: Building Construction and Materials

Course Code: CEPC202

Note: Attempt any three questions.

Max Marks: 15

Q(1a). What are the requirements of a good building stone. (2)

Q(1b). List out the types of Stone Masonry and Explain Ashlar Masonry with a neat sketch. (3)

Q(2a). Explain briefly the composition of a good brick earth. (2)

Q(2b). List the different types of bonds in brick masonry. Explain English Bond with diagram. (3)

Q(3a). Describe the macrostructure of a timber with neat diagram. (2)

Q(3b). Define the term “preservation of timber”. Name the various types of preservatives and its methods of application. (3)

Q(4a). Give chemical compositions of Portland Cement along with their functions? Also explain different physical tests on cement. (2)

Q(4b). Give the classification of Aggregates? Explain in brief, the various tests carried out on Aggregates (3)
