

School of Architecture and Design**Bachelor of Design in Interior Design
Semester End Examination - Jul 2024****Duration : 180 Minutes
Max Marks : 100****Sem I - B1UC103T - Introduction to Building Material***General Instructions**Answer to the specific question asked**Draw neat, labelled diagrams wherever necessary**Approved data hand books are allowed subject to verification by the Invigilator*

- 1) Describe the term mortar. how the term mortar is related to building material and construction. K1(2)
- 2) describe the role of cement in the shrinkage and cracking behavior of concrete? K2(4)
- 3) Describe what is brick and define various defects of brick. K2(6)
- 4) briefly describe about the lime stone and explain about all four types of lime stone. K3(9)
- 5) What do you understand by mortar, explain the types of mortar. K3(9)
- 6) how to test the workability of concret ,briefly define all three test. K5(10)
- 7) differentiate between sand and cement . as a building material explain their various properties . K4(12)
- 8) what are the various brick properties so that it can be use as a building material , and what are the Various types of brick material that are incorporated in modern day consruction. K5(15)
- 9) What is an arch in construction, and how does it differ from other structural elements, explain the main components of an arch, and how do they work together to support loads K5(15)
- 10) Elaborate the building material brick, how brick is a suitable material for building construction in current scenario . what are the various brick bonds we use in building construction explain with sketches. K6(18)