



MARRI LAXMAN REDDY
INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(AN AUTONOMOUS INSTITUTION)

(Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad)

Accredited by NBA and NAAC with 'A' Grade & Recognized Under Section 2(f) & 12(B) of the UGC act, 1956

II B.Tech II Sem Supply End Examination, March 2022
Building Materials, Construction and Planning
(CIVIL)

Time: 3 Hours.

Max. Marks: 70

Note: 1. Answer any FIVE questions.

2. Each question carries 14 marks and may have a, b as sub questions.

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| 1 | a) Write the Properties of Tiles | 7M | C01 | BL1 |
| | b) What are the defects in wood | 7M | C01 | BL1 |
| 2 | a) Explain various process of quarrying | 7M | C01 | BL2 |
| | b) Draw the cross Section of wood block to depict the structure | 7M | C01 | BL1 |
| 3 | a) List out various mineral admixtures | 7M | C02 | BL1 |
| | b) What are the uses of admixtures | 7M | C02 | BL1 |
| 4 | a) Write the chemical composition of cement | 7M | C02 | BL1 |
| | b) Differentiate arch and vault with reference to figures | 7M | C03 | BL2 |
| 5 | a) Explain main building services required | 7M | C03 | BL4 |
| | b) What are the fire hazards? Write any two fire resistant materials | 7M | C03 | BL1 |
| 6 | a) Draw the images of English and Flemish bonds | 7M | C04 | BL1 |
| | b) Explain plastering of a surface | 7M | C04 | BL4 |
| 7 | a) What is meant by cladding? Explain its use in tall buildings | 7M | C04 | BL4 |
| | b) Write any two building by laws | 7M | C05 | BL1 |
| 8 | a) Write principles of building planning | 7M | C05 | BL1 |
| | b) Explain the building terminology: Plinth area, Setback, Offset, Elevation, Plan | 7M | C05 | BL4 |