



II B.Tech II Sem Regular End Examination, July 2021  
**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 Building stone.  | 7M | C01 | BL1 |
|   | b) | Explain reinforced Glass Brick.  | 7M | C01 | BL4 |
| 2 | a) | What are the alternate materials for Timber.   | 7M | C01 | BL1 |
|   | b) | Write the precautions to be taken before blasting.   | 7M | C01 | BL1 |
| 3 | a) | List out various chemical admixtures.  | 7M | C02 | BL1 |
|   | b) | Write any two laboratory tests on cement.  | 7M | C02 | BL1 |
| 4 | a) | Explain the process of cement hydration.   | 7M | C02 | BL4 |
|   | b) | Explain various types of Roofs.  | 7M | C03 | BL4 |
| 5 | a) | What is the material used in Mozaic floor.   | 7M | C03 | BL1 |
|   | b) | Draw the figure to depict dog-legged stair case. Give the standard specifications of stair rise and tread. | 7M | C03 | BL2 |
| 6 | a) | Differentiate Lime and Brick mortar.   | 7M | C04 | BL2 |
|   | b) | Draw the image of English bond.  | 7M | C04 | BL2 |
| 7 | a) | What is the significance of form work.   | 7M | C04 | BL1 |
|   | b) | What the code used for Building regulations. Explain its significance.                                     | 7M | C05 | BL1 |
| 8 | a) | Write the need of building planning.   | 7M | C05 | BL1 |
|   | b) | Explain the classification of buildings.   | 7M | C05 | BL4 |