

R18

Code No: 154AG

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B.Tech II Year II Semester Examinations, August/September - 2021

BUILDING MATERIALS, CONSTRUCTION AND PLANNING

(Civil Engineering)

Time: 3 Hours

Max. Marks: 75

**Answer any five questions
All questions carry equal marks**

- 1.a) Elaborate step by step procedure for manufacturing of bricks.
b) Describe the properties and structure of wood in detail. [8+7]
- 2.a) Explain the classification of stones with neat sketches.
b) Write a note on defects in timber with neat sketches. [8+7]
- 3.a) Explain about various lab tests conducted on cement.
b) Write a note on Chemical admixtures with examples. [8+7]
- 4.a) Explain dry method of manufacturing process of cement.
b) Describe the various ingredients of cement with their functions. [7+8]
- 5.a) Describe various types of staircases in detail.
b) Describe the acoustical design of a hall. [8+7]
- 6.a) Write a note on various Joinery doors and windows.
b) Write about Air-conditioning - Essentials and types. [8+7]
- 7.a) Classify the various Brick masonry and their types.
b) What do you mean by Shoring and explain various methods. [7+8]
- 8.a) Write about:
i) Aspect ii) Prospect iii) Roominess iv) Flexibility.
b) Describe the objectives and functions of Building by laws. [8+7]

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