

**II B. Tech I Semester Supplementary Examinations, September - 2021**  
**BUILDING MATERIALS, CONSTRUCTION AND PLANNING**  
 (Civil Engineering)

Time: 3 hours

Max. Marks: 75

Answer any **FIVE** Questions each Question from each unit  
 All Questions carry **Equal** Marks

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|----|---|-----|
| 1  | a) Write about the composition of good brick. Mention the parts of standard brick by figure.    | 10M |
|    | b) What are the precautions to be taken while blasting?   | 5M  |
|    | Or  |     |
| 2  | a) Write about different types of tiles and its uses.   | 8M  |
|    | b) Write about Gypsum and Aluminium.  | 7M  |
| 3  | a) What are the different masonry? Discuss in detail.   | 10M |
|    | b) Write about fibre reinforced plastic.  | 5M  |
|    | Or  |     |
| 4  | a) What is seasoning of wood? Explain in detail.  | 10M |
|    | b) Write about English bond.  | 5M  |
| 5  | What are the various methods of manufacturing lime? Explain in detail.                          | 15M |
|    | Or  |     |
| 6  | a) What are the different laboratory tests of cement?   | 10M |
|    | b) What are the constituents of lime stone?   | 5M  |
| 7  | a) What is the purpose of providing lintels and arches? Explain how they differ in functioning? | 10M |
|    | b) What is lean to roof?  | 5M  |
|    | Or  |     |
| 8  | a) Explain different types of staircases in detail.   | 6M  |
|    | b) Explain King post truss and Queen post truss with figures.                                   | 9M  |
| 9  | a) What is white washing and distempering?  | 8M  |
|    | b) Write about bond and strength of aggregate.  | 7M  |
|    | Or  |     |
| 10 | Write short notes on  | 15M |
|    | (i) Test for specific gravity   |     |
|    | (ii) Soundness of aggregate   |     |
|    | (iii) Flakiness index and elongation index  |     |
|    | (iv) Plastering and Pointing  |     |
|    | (v) Painting of wood  |     |

