

Code: EC6T6FE-A, ME6T6FE-B.

III B.Tech-II Semester–Regular/Supplementary Examinations–March 2019

BUILDING MATERIALS AND CONSTRUCTION
(Common for ECE & ME)

Duration: 3 hours

Max. Marks: 70

PART – A

Answer *all* the questions. All questions carry equal marks

11x 2 = 22 M

1. a) What are the different classification of igneous rocks?
- b) What are the different types of light weight bricks? Uses.
- c) What is meant by hydraulic lime?
- d) What is the effect of increasing the carbon content in steel?
- e) Give a note on French polish?
- f) Write short note on sound insulation?
- g) How is the influence of selection of depth in foundation?
- h) Write short note on Flemish bond wall?
- i) Explain the importance of pitched roof.
- j) Explain the guniting damp proof method?
- k) Explain the seasoning of timber?

PART – B

Answer any *THREE* questions. All questions carry equal marks.

3 x 16 = 48 M

2. a) Explain the methods of dressing of stones? 8 M
- b) Explain the procedure for preparation of good bricks? 8 M
3. a) What are the different sources of lime and manufacturing of fat lime? 8 M
- b) Explain with neat sketch of structure of tree and explain each component? 8 M
4. a) Explain purpose of the paint and give what are the paints commonly used in buildings? 8 M
- b) Define acoustic building? What are the factors to be considered in acoustics of building? 8 M
5. a) What are the factors to be considered while selecting the type of foundation? 8 M
- b) Explain with neat sketch of ashlar masonry? 8 M

6. a) Define floor? Explain the different types of floors. 8 M

b) What is dampness? Explain various methods of preventing the dampness? 8 M