

Code: EC6T6FE-A, ME6T6FE-B.

**III B.Tech-II Semester–Regular/Supplementary Examinations–March 2018**

**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

1. a) Give the significance of stone veneering?
- b) How the chemical reaction occur in burning of bricks?
- c) Write short note on lime putty?
- d) How would you know the moisture content in the timber?
- e) Note the pigment volume concentration number and values?
- f) What are different types of sound absorbing materials?
- g) Write the significance of mat footing.
- h) Write short note of cavity wall.
- i) Give classification of roofs?
- j) Write short note on most effective material damp proof course.
- k) Write the time period of removing the scaffolding based nature of work done?

## PART – B

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

3 x 16 = 48 M

2. a) Give the five construction works where you would use stone network? State also what stones would you recommend for these works? 8 M
- b) Classify the bricks according to IS Classification? 8 M
3. a) Explain the different types of seasoning of timber?. 8 M
- b) What are the different factors effecting the physical properties of steel? 8 M
4. a) Define varnishes? Explain the different types of varnishes. 8 M
- b) Explain the distempers? 8 M
5. a) Define footing ? Explain with neat sketch of deep foundations? 8 M
- b) Write short note on 8 M
- (i) bat
  - (ii) Queen closer
  - (iii) Beveled closer
  - (iv) Jambs

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

b) What do you understand by scaffolding? What are the essential requirements? What are the component parts of a scaffold? 8 M