

Code No: R21012

**R10****SET - 1****II B. Tech I Semester Supplementary Examinations, May/June - 2017****CONSTRUCTION MATERIALS AND MANAGEMENT**

(Civil Engineering)

Time: 3 hours

Max. Marks: 75

Answer any **FIVE** Questions  
All Questions carry **Equal** Marks

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1. a) Compare between clamp burning and kiln burning. (8M)  
b) What is a FROG? Explain its importance in bricks. (7M)
2. a) Classify the various types of wood used in buildings. What are the defects in timber? (8M)  
b) What is Galvanized iron and fiber reinforced plastics? (7M)
3. a) Describe in detail how lime is manufactured? (7M)  
b) Distinguish between quick, fat and hydraulic lime. (8M)
4. a) Explain pointing and plastering (7M)  
b) Describe the various components of a building. (8M)
5. Write short notes on (15M)  
(a) Grading curves  
(b) Consistency and workability  
(c) Tar and bitumen as building material  
(d) Sieve analysis
6. a) Explain functions and applications of geosynthetics. (8M)  
b) Write about resource leveling and resource allocation. (7M)
7. a) Discuss about planning scheduling, monitoring and controlling of projects. (10M)  
b) Discuss about computation of times and floats. (5M)
8. Write short notes on (a) PERT and CPM (15M)  
(i) Time estimates  
(ii) Network updating