

II B. Tech I Semester Supplementary Examinations, May - 2018
BUILDING MATERIALS AND CONSTRUCTION
(Civil Engineering)

Time: 3 hours

Max. Marks: 70

- Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B**)
2. Answer **ALL** the question in **Part-A**
3. Answer any **THREE** Questions from **Part-B**
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PART -A

1. a) What is meant by quarrying state the methods of quarrying?
- b) Distinguish random rubble masonry and coursed rubble masonry
- c) Differentiate between Portland Cement and white cement.
- d) Enumerate various types of cement.
- e) What are the objectives of using paint?
- f) What is meant by voids in fine aggregate? How is it measured?

PART -B

2. a) State the general properties and importance of glass.
- b) State the characteristics of Roof tiles: Explain briefly the Mangalore tiles and Alahabad tiles.
3. a) Explain brief about alternative materials for wood.
- b) What is seasoning of timber? State the objects of seasoning.
4. a) Compare and contrast advantages and disadvantages of using lime and cement in construction works.
- b) Describe in brief any type of manufacture of cement with the help of flow diagram?
5. a) What are the various types of arches, Explain any one.
- b) Describe in brief the construction of R.C.C floor.
6. a) What are the requirements of good 'Form work'?
- b) Differentiate between paints and distemper.
7. a) Explain in brief about adsorption and moisture content of aggregate.
- b) State the important characteristics of good sand in construction works and also state its functions.