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**B.TECH.****THEORY EXAMINATION (SEM–IV) 2016-17  
BUILDING MATERIAL AND CONSTRUCTION***Time : 3 Hours**Max. Marks : 100**Note : Be precise in your answer. In case of numerical problem assume data wherever not provided.***SECTION-A****1. Attempt all of the following: (10×2=20)**

- a) Classify the different type of rocks.
- b) What do you mean by stone dressing?
- c) List the ingredients of glass.
- d) List the factors affecting quality of bricks.
- e) What do you mean by seasoning of timber?
- f) List the factor affecting strength of cement concrete.
- g) Define the term quarrying.
- h) List the different type of doors.
- i) Define the pigment volume concentration number.
- j) Define the term mining.

**SECTION-B****2. Attempt any five of the following: (10×5=50)**

- a) Define cement concrete and mention its properties.
- b) Discuss the factors affecting the strength of timber.
- c) Discuss the different types of floors.
- d) Compare fat lime with hydraulic lime.
- e) Enumerate the various defects in timber.
- f) Discuss the factors considered to select an area for building construction.
- g) Discuss the factors affecting quality of bricks.
- h) Write down a note on ant termite treatment.

**SECTION-C****Attempt any two of the following: (15×2=30)**

- 3. What are the ingredients of oil borne paints? Describe briefly each of them.
- 4. What do you mean by water supply system? Discuss the different types of water supply system.
- 5. Discuss the different types of window with their relative advantages and disadvantages.