

**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)**

- Classify the different type of rocks.
- What do you mean by stone dressing?
- List the ingredients of glass.
- List the factors affecting quality of bricks.
- What do you mean by seasoning of timber?
- List the factor affecting strength of cement concrete.
- Define the term quarrying.
- List the different type of doors.
- Define the pigment volume concentration number.
- Define the term mining.

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

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

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

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