



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.

