

BHARATI VIDYAPEETH INSTITUTE OF TECHNOLOGY

Question Bank (K-Scheme)

Name of subject: Building Material Construction

Unit Test: II

Subject code: 312338

Course: CE
Semester: II

CHAPTER 3 (Construction of Substructure and Superstructure)

(2 Marks)

- Define i) Weathering ii) Trough stone.
- Define the terms Facing and Hearting in Stone masonry.
- State the importance of Frog.

(4 Marks)

- Describe any eight characteristics of good stone masonry.
- Differentiate between Brick masonry and Stone masonry.
- Explain the necessity of scaffolding and shoring.
- Explain English bond and Flemish bond in brick work with neat sketches.
- State any four advantages of hollow concrete block masonry.
- What is meant by composite masonry? State its different types.

CHAPTER 4 (Building communication)

(2 Marks)

- Define the terms Newel post and Headroom in vertical Communication.
- Define the terms 'Landing and Pitch' used in stair
- Enlist various fixtures and fastenings for doors and windows.
- Define Rise and tread in Stair.
- define headroom and waist.
- State the various types of hinges.
- Define cement mortar.

(4 Marks)

- State where collapsible door are used and why.
- Enlist various types of fixtures for doors.

- c. draw a fully panelled door with ventilator and name the components parts.
- d. explain the technical terms i) Baluster ii) newel post iii) Landing iv) pitch
- e. what are the requirements of good stair.
- f. State the different types of staircase and explain any one in detail.
- g. State any four types of Doors with its Suitability.
- h. Give the common sizes of doors and windows for residential building.
- i. Discuss the provisions of doors in a structure with reference to the location and purpose.
- j. Suggest suitable type of window for the following buildings:
 - (i) Cinema hall
 - (ii) School
 - (iii) Enclosed staircase
 - (iv) Bathroom
 - (v) Cement godown
 - (vi) Sloping roof.

CHAPTER 5 (Building finishes)

(2 Marks)

- a. Give types of floors.
- b. Explain laying of terezzoic floor.
- c. What is tremix concrete floor.
- d. what is pointing ? Explain procedure.

(4 Marks)

- a. Explain four defects in plastering with neat sketch.
 - b. Explain the procedure of preparation of surface along with the method of application of color wash paint on the wall.
 - c. State any four precautions to be taken while plastering.
 - d. Suggest the roofing material for various types of pitched roofs with justification..
 - e. Describe the procedure for carrying out the 'Plastering' in cement mortar in two coats.
 - f. Differentiate between pitched roofs and flat roofs.
 - g. Draw diagrams of types of pitched roof.
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