

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.
- Define Particle board.
- enlist any four types of bonds used in brick masonry.
- State the necessity of underpinning.

(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 requirements of good form work.
- Explain timbering and Strutting in excavation with neat sketch.
- Differentiate between shallow and deep foundation.
- Explain the procedure for plinth filling.

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.

f. State the various types of hinges.

g. Define cement mortar.

(4 Marks)

a. State where collapsible door are used and why.

b. Enlist various types of fixtures for doors.

c. draw a labeled sketch of partly paneled and partly glazed door with frame.

d. explain a different component parts of staircase with neat sketch.

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.

k. Explain doglegged stair with neat sketch.

l. list the various types of windows and explain any one in detail.

CHAPTER 5 (Building finishes)

(2 Marks)

a. Give types of floors.

b. Explain laying of terezoic floor.

c. What is tremix concrete floor.

d. what is pointing ?

(4 Marks)

a. Explain four defects in plastering with neat sketch.

b. Explain the procedure of internal plastering a newly built brick wall.

- c. State any four precautions to be taken while plastering.
- d. State necessity of painting .
- e. Describe the procedure for carrying out the 'Plastering' in cement mortar in two coats.
- f. State necessity of plastering.
- g. Distinguish between Skirting and dado.

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