**BHARATI VIDYAPEETH INSTITUTE OF TECHNOLOGY**

**Question Bank (I-Scheme)**

**Name of subject: Building Construction Unit Test: II**

**Subject code: 22304 Course: CE**

 **Semester: III**

**CHAPTER 4 (Building communication and ventilation)**

**(2 Marks)**

a. Define the terms Newel post and Headroom in vertical Communication.

b. Define the terms ‘Landing and Pitch’ used in stair

c.Enlist various fixtures and fasteings for doors and windows.

**(4 Marks)**

a. Discuss the provisions of doors in a structure with reference to the location and purpose.

b. 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.

**CHAPTER 6 (Building maintainance)**

**(2 Marks)**

a. State two necessities of Demolition.

b. Define i) Guniting ,ii)Grouting.

c. Explain rebaring techniues.

**(4 Marks)**

a. Explain the causes of non - structural cracks in building construction and remedial measures.

b. Define settlement of foundation and its types. Enlist various causes and suggest remedial measures for the same.

c. Describe the procedure of water proofing used in slabs stating its importance in building construction.

d. Suggest precautions to be taken during demolition.

e. Describe the procedure of water proofing of sanitary block after construction.

f. Explain the Importance and necessity of water proofing.

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