

BHARATI VIDYAPEETH INSTITUTE OF TECHNOLOGY
Question Bank (I-Scheme)

Name of subject: Construction Materials
Subject code: 22204

Unit Test: I
Course: CE
Semester: II

CHAPTER 1 (Overview of Construction Materials)

(2 Marks)

- a. State any four roles of civil engineering in human life.
- b. State different types of construction materials.

(4 Marks)

- a. List any four criteria for selection of construction materials.
- b. State any one example of the following construction materials.
 - (i) Natural
 - (ii) Artificial
 - (iii) Special
 - (iv) Finishing

CHAPTER 2 (Natural construction materials)

(2 Marks)

- a. Define quarrying of stones? State any two methods of quarrying.
- b. State any two defects that occur in timber.
- c. State any two properties and uses of bitumen.

(4 Marks)

- a. Define seasoning of timber? Explain natural seasoning method.
- b. Compare asphalt and tar with respect to
 - (i) setting time
 - (ii) use
- c. Define soil? State the suitability of sand, silt, and clay in construction work.
- d. State the various types of tar used in civil engineering work and state their two uses.
- e. State any properties of good timber.
- f. State any four properties of hydraulic lime.

CHAPTER 3 (Artificial construction materials)

(2 Marks)

- a. Differentiate between conventional bricks and standard bricks.

- b. State constituents of good quality bricks.
- c. Draw a neat labeled and dimensioned sketch of traditional brick.
- d. Give any two properties of plywood.
- e. Differentiate Veneer and Particle board.

(4 Marks)

- a. Write any four uses of plywood.
- b. Enumerate four field tests to which bricks are generally subjected.
- c. State different types of tiles with their suitability.
- d. Draw the flowchart of various stages in wet process of manufacturing of cement.
- e. State in four characteristics of good brick.
- f. Enlist any four field tests conducted on cement.
- g. Classify burnt clay bricks.

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