

Roll No.

Total Pages : 03

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CIVIL ENGINEERING

CE207A

Building Construction Practice

Time : Three Hours]

[Maximum Marks : 75

Note : All questions in Part A and B are compulsory. Attempt any *four* questions from Part C selecting at least *one* from each Unit.

Part A

5×3=15

1. Answer the following questions :

- List the defects observed in the timber at different stages.
- State the requirements of good building stone.
- List the characteristics of good paint.
- Specify the advantages of cavity wall.
- List the types of sub-surface investigation methods along with their suitability.

Part B

5×4=20

Unit I

2. Describe advantages of cavity wall.

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Unit II

3. Differentiate types of roofs and floors.

Unit III

4. Explain testing of bricks on field.

Unit IV

5. Explain the basic constituents of paints.

Part C

10×4=40

Unit I

- List the types of shallow foundation. Also, describe the suitability each type with the help of neat sketch.
- Write in short different bonds in brick masonry with their suitability.

Unit II

- Discuss different types of floors along with various types of floorings.
- Write in short : Treatment for damp-proofing treatment to building and water proofing treatment to pitched roof.

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Unit III

10. List the constituents of good brick earth as well as the harmful ingredients. Also discuss their effects.
11. Discuss the constituents of the Portland cement along with their important and draw the flowchart for the manufacturing of cement (Dry and Wet process).

Unit IV

12. Explain classification of stone along with its dressing and prevention and seasoning of stone.
13. Discuss characteristics and types of varnishes along with its constituents.