

Date-18/12/2017 (E)

Roll No.

Printed Pages : 2

33018

BT-3 / D-17

**BUILDING CONSTRUCTION MATERIALS
AND DRAWING**

Paper-CE-203E

Time allowed : 3 hours]

[Maximum marks : 100

Note : (i) *Attempt total five questions selecting at least one question from each unit.*

(ii) *All questions carry equal marks.*

Unit-I

1. (a) Draw the plan and elevation of Double Flemish band used in brick masonry. 12
- (b) Discuss the various terms used in store masonry. Explain the dressing of store. 8
2. (a) List the advantages of the Cavity wall. Write the various steps for construction of Cavity Wall. 10
- (b) List the types of foundation used in water-logged area. Explain in brief about deep foundation. 10

Unit-II

3. (a) What are the materials used for the water - proofing treatment of roofs? Discuss. 10
- (b) Discuss the various types of flooring commonly used. 10
4. Discuss along with the sketches the various types of doors and windows along with fixtures and fasteners. 20

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Unit-III

5. (a) Explain the following
- (i) Quarrying of stone
 - (ii) Sorting out of stones
 - (iii) Dressing, sawing and polishing. 12
- (b) List the special types of cement. Explain in brief the process of storage of cement. 8
6. (a) Discuss the various types of Terra – Cotta along with their uses. 10
- (b) Give the classification of Lime. Lest the test performed on lime. 10

Unit-IV

7. Give and discuss the classification of Timber. Lest the various defects in timber. Explain any three with sketches. 20
8. (a) What are the constituents of varnish? Discuss its types and characteristics. 12
- (b) Discuss the special varieties of plastics. 8