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Roll No. :

320455(20)

B. E. (Fourth Semester) Examination, April-May 2021

(New Scheme)

(Civil Engg. Branch)

BUILDING CONSTRUCTION

Time Allowed : Three hours

Maximum Marks : 80

Minimum Pass Marks : 28

Note : Attempt all questions. Part (a) of each question is compulsory and carries 2 marks. Attempt any two parts from (b), (c) and (d) which carry 7 marks each.

Unit-I

1. (a) Give two basic functions of foundations. 2
- (b) What do you understand by Gsillage foundation?
Draw a neat sketch of a gillage foundation for a crystal station. 7

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- (c) What is strap footing? Explain with the help of neat sketch. 7
- (d) How will you differentiate between expansive and non expansive soil? 7

Unit-II

2. (a) Define stretcher and Headen. 2
- (b) Define cavity well? Explain with the help of sketches, general features of a cavity well. 7
- (c) What are the difference between English bond and Flemish bond? 7
- (d) Write short notes on : 7
- (i) Thickness of wall
- (ii) Skenderness ratio

Unit-III

3. (a) What is floosing. 2
- (b) Write detail description on various type of roof coverings. 7
- (c) What are the factors that effect the choice of flooring material? 7

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- (d) What do you understand by the term framework? What are the requirements of a good framework? 7

Unit-IV

4. (a) Define Dampness. 2
- (b) Differentiate between expansion and contraction joints. 7
- (c) What are the various materials used for damp proofing? 7
- (d) Discuss the pointing process in a building. 7

Unit-V

5. (a) Give two requirements of good staircase. 2
- (b) Describe the common acoustic defects and write the remedial measures against it. 7
- (c) Discuss the methods of sound proof construction. 7
- (d) What are the different types of stairs? 7