

Second Sessional Exam

(2019-20)

Subject: -BUILDING CONSTRUCTION AND MATERIAL- I

Max. Mark:-40

Year/Semi: - First year - Sem I

Time:-02:00 Hr.

- Note:-1. Question no: - 5, 6, 7, 8, 9 are compulsory
2. Due credit will be given to neatness and adequate dimensions.
3. Assume suitable data wherever necessary.
4. Retain the construction lines.
5. Illustrate your answer wherever necessary with the help of neat sketches.
6. Use pen of Blue/Black ink/refill only for writing the answer book.

1. A) Define the term:

03

1. Foundation.
2. Corbel.
3. Coping.

B) What is meant by the term "Bearing Capacity" of soil why it is to be studied?

04

Before construction of foundation and suggest any three methods used for
Increasing the bearing power of soil?

C) Draw sectional elevation of a building showing different elements from

03

Foundation to roof?

OR

2. A) Describe with neat sketches what are the building component explain with sketch.

05

B) What do you know about term DPC. Why it is to be provided. Explain with sketch?

05

3. A) Describe with the help of neat sketches Header bond and stretcher bond used in

05

brick masonry?

B) Draw to a suitable scale plan and elevation of alternate courses of one brick thick

05

Wall in English Bond?

OR

- 4 A) Describe with the help of neat sketches the rubble masonry and their types? 05
- B) Describe with neat sketches the various method adopted for dressing of stone? 05
- 5 What is meant by Rat Trap Bond? Under which circumstances is it adapted? 04
- 6 Explain with sketch working of Hoffman's Kiln. 04
- 7 Describe with sketches process of manufacturing of brick and table molding of brick. 04
- 8 Explain the use of brick in building construction and state the characteristics of first class bricks. 04
- 9 State the importance of bond in brick masonry and describe with neat sketches any type one type of bond. 04

-----BEST LUCK-----