

S.B. Roll No.....

BUILDING CONSTRUCTION
3rd Exam/Civil/0517/May'18

Duration: 3Hrs.

M.Marks:75

SECTION-A

Q1. a) Fill in the blanks.

15x1=15

- i. Non load bearing walls are _____ in cross section.
- ii. Grillage foundation is classified as a _____ foundation.
- iii. The floor below the ground level of a building is called _____
- iv. The vertical outside member of the shutter is called _____
- v. Under surface of an arch is called _____
- vi. Platform between two flights of a stair is named as _____
- vii. The roof which slopes in four direction is called _____
- viii. The highest point of an arch is called _____
- ix. _____ is provided for light and ventilation.
- x. The minimum height of the plinth should be _____

b) State True or False.

- xi. Roof slab is a non structural component.
- xii. Expansion gaps are not required in brick masonry.
- xiii. Bricks should be laid with their frogs upward.
- xiv. An English bond is less strong than Flemish bond.
- xv. The opening provided on the top of door is called ventilator.

SECTION-B

Q2. Attempt any five questions.

5x6=30

- a. Write the requirements of a good building.
- b. What are the advantages of partition walls?
- c. Explain briefly the causes of dampness in building.
- d. Explain the difference between the rubble masonry and ashlar masonry.
- e. What are the objects of ventilation in a building?
- f. What are the causes of failure of foundation?

SECTION-C

Q3. Attempt any three questions.

3x10=30

- i. What is pointing? What are its different types of pointing? Explain its all types?
- ii. Describe briefly the procedure of distempering an old but whitewash wall.
- iii. What is orientation of building? What are the factors affecting it?
- iv. What do you understand by scaffolding and why it is provided and explain its types?