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**3rd Sem / Civil**

**Subject : Building Construction**

Time : 3 Hrs.

M.M. : 60

**SECTION-A**

**Note:** Multiple choice questions. All questions are compulsory (6x1=6)

- Q.1 The minimum depth of foundation for building on clay is \_\_\_\_\_  
a) 0.4 to 0.6 m                      b) 0.6 to 0.9 m  
c) 0.2 to 0.4 m                      d) 0.9 to 1.6 m
- Q.2 A partition wall is designed as a load bearing wall.  
a) True                                  b) False
- Q.3 The portion of the brick without a triangular corner equal to half the width and half length, is called \_\_\_\_  
a) Closer                                b) King closer  
c) Queen closer                      d) Squint brick
- Q.4 The projection which help in securing the head of a door frame to the masonry, are called \_\_\_\_\_  
a) Stops                                b) Styles  
c) Reveals                              d) Horns

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- Q.5 The moisture from ground rises through \_\_\_\_\_ and affects the materials within the building.  
a) capillary action                  b) pores  
c) gravitational effect              d) intermediate space
- Q.6 When the span exceeds 4.8 M and when there is no inside supporting walls for Purlins, the frame structures adopted, known as the \_\_\_\_\_  
a) Single roofs                        b) Double roofs  
c) Purlin roofs                        d) Trussed roofs

**SECTION-B**

**Note:** Objective/ Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 The part of the building constructed below the ground level is referred as \_\_\_\_\_ (Foundation or sub-structure / Super-structure)
- Q.8 The brick laid with its length perpendicular to the face of the wall is called a \_\_\_\_\_ (Stretcher / Header)
- Q.9 The highest point on the extrados is called \_\_\_\_\_ (Style / Crown)
- Q.10 In \_\_\_\_\_ system, the use is made of doors, windows, ventilators and skylights to make the room properly ventilated. (De-ventilated / Natural Ventilation)
- Q.11 \_\_\_\_\_ is known as the lower edge of an inclined roof surface. (Eaves / Style)

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Q.12 Pitch is expressed as a ratio of \_\_\_\_\_ to span.  
(Ridge / Rise)

### SECTION-C

**Note:** Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

Q.13 Write a short note on dado tile works

Q.14 Describe the procedure of layout of half turn stairs.

Q.15 Write a short note on “PVC False Ceiling”.

Q.16 Write a short note on “Level and Slope in kitchen”.

Q.17 Describe the ill-effects of dampness in a building.

Q.18 Write and discuss the different types of fixtures and fastness used for window frames.

Q.19 Write the various functions of an arch.

Q.20 Describe the process of construction of brick masonry retaining walls.

Q.21 Write a short note on “Wooden Partition Wall”.

Q.22 Write any eight requirements for a building to be a good building.

### SECTION-D

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

Q.23 a) Explain the process of preparation of plastered surface for stone cladding.

b) Describe the specifications to be taken into consideration for the excavation and construction of escalators pits

Q.24 a) Explain the toothing method of bonding new brickwork with the old one.

b) Describe the procedure of construction of load bearing one brick thick wall in Flemish Bond with the help of diagram.

Q.25 a) Explain the process of installation of sliding door.

b) Explain the process of preparation of floors for wooden flooring.