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Roll No. ....

**3rd Sem / Branch : Civil  
Sub.: Building Construction**

Time : 3Hrs.

M.M. : 60

**SECTION-A**

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

Q.1 A concrete lintel constructed at site is called. (CO4)

- a) Cast in situ
- b) Precast
- c) Abutment
- d) All of the above

Q.2 The arch consisting of fully dressed stone is called  
(CO3)

- a) Axed arch
- b) Ruble arch
- c) Gauged arch
- d) Ashlar arch

Q.3 Drainage of water from excavated trenches in water  
logged side is known as (CO1)

- a) Dewatering
- b) Ground tracing
- c) A & B
- d) None of these

Q.4 The size of modular brick is (CO2)

- a) 190mm x 90cm x 90 mm
- b) 190cm x 90cm x 90 mm
- c) 190 mmx90mmx90mm
- d) 190mmx90cmx90cm

Q.5 Non load bearing wall are \_\_\_\_\_ in cross section  
(CO2)

(1)

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- a) Thin
- b) Thick
- c) a & b
- d) None of these

Q.6 The vertical member used in the construction of  
scaffolding are known as. (CO1)

- a) Brackets
- b) Standards
- c) Wall
- d) All of the above

**SECTION-B**

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

Q.7 Upper part of the structure is called \_\_\_\_\_. (CO1)

Q.8 Pile foundation is generally used when the soil has  
\_\_\_\_\_ bearing capacity. (CO1)

Q.9 Define Efforescence. (CO2)

Q.10 Define the bedding planes. (CO3)

Q.11 Write any four Causes of dampness in building.  
(CO6)

Q.12 Define common rafter. (CO5)

**SECTION-C**

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

Q.13 What are the requirement of a good building? (CO1)

Q.14 Explain frog, king closer, facing and header. (CO2)

Q.15 Define English bond. (CO2)

(2)

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Q.16 Define raft foundation. (CO1)

Q.17 Explain Flat roof and write their advantages of flat roof. (CO5)

Q.18 What are the specification for the rubble masonry wall? (CO3)

Q.19 Discuss flat arch and semicircular arch with diagram. (CO2)

Q.20 What is the requirement of damp proof materials? (CO6)

Q.21 Write the features of framed and panelled doors. (CO4)

Q.22 What are the requirement of a good stair case? (CO4)

### **SECTION-D**

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

Q.23 Explain difference between stone masonry and brick masonry in details. (CO3)

Q.24 Describe the DPC materials for building in details. (CO6)

Q.25 a) Write a short note on cement mortar (CO2)  
b) What are the factors affecting selection of type of floor. (CO4)