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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)

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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)