

No. of Printed Pages : 4

180735/170735/

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**3rd Sem / Civil, GE (4th Sem.) Brick Technology,**

**Const. Mgmt/ Highway Engg.**

**Subject:- Building Construction**

Time : 3Hrs.

M.M. : 100

**SECTION-A**

**Note:** Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 D.P.C. stand for (CO-7)
- a) Damp proof concrete b) Damp proof course  
c) Damp proof cement d) Dry proof course
- Q.2 The horizontal upper part of a step on which foot is placed in ascending or descending a stair way is (CO-10)
- a) Riser b) Tread  
c) Flight d) Nosing
- Q.3 In brick masonry one layer of brick in header course and another layer of brick is stretchers course is (CO-4)
- a) Flemish Bond b) Double Flemish bond  
c) English Bond d) Double English bond
- Q.4 Minimum depth of foundation for building on clayey is (CO-2)
- a) 0.2 - 0.4m b) 0.4 - 0.6m  
c) 0.6 - 0.9m d) 0.9 - 1.6m
- Q.5 Maximum number of steps in stair having one flight is (CO-10)
- a) 10 b) 3  
c) 12 d) 14

(1)

180735/170735/  
120735/030735

- Q.6 The window used with the object of providing light and air to enclosed space below the roof is called? (CO-9)

a) Dormer window b) Corner window  
c) Day window d) Sky light window

- Q.7 In a sloping roof, the inclined wooden member laid from the ridge to the eaves are known as (CO-9)

a) Hip rafter b) Jack rafter  
c) Common Rafter d) Valey Rafter

- Q.8 Frog is defined as (CO-4)

a) Depression on the top face of brick  
b) Top most course of plinth  
c) Brick whose one end cut splayed for the full width  
d) Brick used for corner of a wall

- Q.9 The highest point on the extrados is called. (CO-5)

a) Skew back b) Crown  
c) Vousair d) Key stone

- Q.10 The window usually provided near the main roof of a room and open above the adjoining verandah is called. (CO-6)

a) Dormer window b) Corner window  
c) Bay window d) Clerestorey window

(2)

180735/170735/  
120735/030735

## SECTION-B

**Note:** Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 If the ground water table is \_\_\_\_\_ then it can cause of dampness. (CO-7)
- Q.12 Excavation of soil for laying foundation is known as \_\_\_\_\_. (CO-2)
- Q.13 The part of building which is constructed below the ground surface \_\_\_\_\_. (CO-2)
- Q.14 Full form of P.O.P. \_\_\_\_\_. (CO-12)
- Q.15 The top horizontal member of frame is called \_\_\_\_\_. (CO-6)
- Q.16 Type of foundation is used under water \_\_\_\_\_. (CO-2)
- Q.17 Mortar is the mixture of \_\_\_\_\_. (CO-4)
- Q.18 The reinforcement is provided over opening of Door and window is called \_\_\_\_\_. (CO-3)
- Q.19 The floor of building is provided at the level of \_\_\_\_\_. (CO-8)
- Q.20 English Bond is stronger than Flemish Bond. (T/F) (CO-4)

## SECTION-C

**Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 Give difference between English Bond and Flemish Bond. (CO-1)
- Q.22 What do you mean by foundation? Explain. (CO-4)
- Q.23 Write a short note on stone masonry. (CO-4)
- Q.24 Draw the diagram of king post truss and also mentioned the name of parts. (CO-9)

(3) 180735/170735/  
120735/030735

- Q.25 Difference between deep and shallow foundation. (CO-2)
- Q.26 Classify different type of walls. Explain any one of them. (CO-3)
- Q.27 Draw the diagram of glazed and panelled window. (CO-6)
- Q.28 What are the requirements of good building? Explain. (CO-1)
- Q.29 Draw a neat sketch of terrazzo floor. (CO-7)
- Q.30 Give difference between Arch and Lintel. (CO-5)
- Q.31 Write five properties of an ideal mortar. (CO-3)
- Q.32 Write any five differences between Ashlar and rubble masonry. (CO-4)
- Q.33 Enlist five different sources of dampness and explain any two of them in detail. (CO-7)
- Q.34 What are the different types of defects in plastering? Explain. (CO-11)
- Q.35 Write the general specification to be provided for all types of floors. (CO-8)

## SECTION-D

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 Define floor. Write its importance in building. Explain in detail five different types of floor finishes. (CO-8)
- Q.37 Explain the various methods in detail to prevent dampness. (CO-7)
- Q.38 Write four different classifications of stair case on the basis of material used and also explain their significance in details. (CO-10)

(Note : Course outcome/CO is for office use only)

(2340) (4) 180735/170735/  
120735/030735