

No. of Printed Pages : 4 180735/170735/
Roll No. 120735/030735

**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
a) Riser b) Tread (CO-10)
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
a) 10 b) 3 (CO-10)
c) 12 d) 14

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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 caves 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) Voussair
- 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

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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)

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- 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 requirement 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 difference 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 classification of staircase on the basis of material used and also explain their significance in details. (CO-10)

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

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