

No. of Printed Pages : 4

180735/170735/

Roll No. ....

120735/030735

**3rd Sem / Civil, GE (4th Sem) , Brick Tech,  
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 The minimum depth of foundation for building on clay is (CO2)  
a) 0.4 to 0.6 m                      b) 0.2 to 0.4 m  
c) 0.6 to 0.9 m                      d) 0.9 to 1.6 m
- Q.2 Sheet piles are made up of (CO2)  
a) Steel                                  b) Wood  
c) Concrete                              d) All of the above
- Q.3 A grillage foundation can be treated as a deep foundation (CO2)  
a) True                                      b) False
- Q.4 In constructing concrete partition wall, the concrete mixture usually adopted is (CO3)  
a) M 100                                  b) M 150  
c) M 200                                  d) M 250
- Q.5 Weep holes are provided in the retaining walls to drain off the water from the filling behind. (CO3)  
a) True                                      b) False

(1)

180735/170735/  
120735/030735

- Q.6 The highest point of the extrados is called (CO5)  
a) Crown                                  b) Keystone  
c) Skew back                              d) None of these
- Q.7 The vertical members which support the door are called (CO6)  
a) Posts                                      b) Jambs  
c) Styles                                      d) None of these
- Q.8 A course of stone masonry provided immediately above the cornice, is called (CO4)  
a) Frieze                                      b) Parapet  
c) Coping                                      d) Blocking course
- Q.9 The pitch of stair should never exceed (CO10)  
a) 20°    b) 25°  
c) 30°    d) 40°
- Q.10 The horizontal upper part of a step on which foot is placed in a stairway is called (CO10)  
a) Tread                                      b) Riser  
c) Flight                                      d) Nosing

### SECTION-B

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

- Q.11 The part of the building constructed above the ground level is called..... (Super-structure/ Sub-structure) (CO1)
- Q.12 The type of foundation most suitable for bridges is.....(Mat foundation/ Pile foundation) (CO2)

(2)

180735/170735/  
120735/030735

- Q.13 When two or more footings are connected by a beam, it is called..... (Pile foundation/ Strap footing) (CO2)
- Q.14 The sill in wooden partition wall is the.....wooded member. (Upper Horizontal/ Lower horizontal) (CO3)
- Q.15 A partition wall is designed as a load bearing wall. (True/ False) (CO3)
- Q.16 A wall built to resist the pressure of earth filling, is known as..... (Retaining wall/ Partition Wall) (CO3)
- Q.17 The lower most horizontal member of a shutter or frame work is called.....(Lock rail/ Bottom rail) (CO6)
- Q.18 The waterproofing construction for preventing water from the soil outside the basement to seep into the outside of the basement is called..... (Basement Waterproofing/ Dampness) (CO7)
- Q.19 The penetration of moisture inside a building through its walls, floors or roofs is known as.....(Waterproofing/ Dampness) (CO7)
- Q.20 The type of insects known as.....are most harmful and cause maximum damage to the buildings. (White ants/ Snakes) (CO12)

### SECTION-C

- Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)
- Q.21 Write the five requirements of a good building. (CO1)
- Q.22 Write five advantages of foundation (CO2)
- Q.23 Define underpinning and explain different methods of it. (CO3)

- Q.24 Write the precautions to be taken during the construction of brick walls? (CO4)
- Q.25 What are the ways of failure of an arch? (CO5)
- Q.26 Write the various functions of a lintel. (CO5)
- Q.27 Define door and write the purposes of it (CO6)
- Q.28 Write the general specification to be provided for wooden flooring. (CO8)
- Q.29 Write a short note on terrazzo flooring (CO8)
- Q.30 Write a short note on king post truss. (CO9)
- Q.31 Write a short note on sloping roof (CO9)
- Q.32 Write a short note on dog legged stairs. (CO10)
- Q.33 Write the requirement of an ideal staircase (CO10)
- Q.34 Describe the different types of pointing. (CO11)
- Q.35 Write the precautions to be taken during doing anti-termite treatment. (CO12)

### SECTION-D

- Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)
- Q.36 Explain the toothing method of bonding new brickwork with the old one with the help of a neat sketch. (CO4)
- Q.37 Explain the construction of damp-proof course for the boundary wall of a hospital building. (CO7)
- Q.38 a) Write a short note on panelled and glazed door (CO6)
- b) Describe the different types of pointing. (CO11)
- Note:** Course Outcome (CO) mentioned in the question paper is for official purpose only.