

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

**3rd Sem / Civil, GE (4th Sem), Brick Tech,
Constr 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** Pile foundations are used where the good bearing capacity is available near the ground. (CO2)
a) True b) False

Q.2 In order that the wall may be stable, the lowermost course of the wall footing is made _____ the width of the wall. (CO2)
a) Half b) Twice
c) Equal d) None of these

Q.3 The minimum depth of foundation for building on clay is (CO2)
a) 0.4 to 0.6 m b) 0.6 to 0.9 m
c) 0.2 to 0.4 m d) 0.9 to 1.6 m

Q.4 A partition wall is designed as a load bearing wall. (CO3)
a) True b) False

Q.5 In constructing concrete partition wall, the concrete mixture usually adopted is (CO3)
a) M 100 b) M 200
c) M 150 d) M 250

Q.6 The under surface of an arch is called (CO5)

- a) Crown b) Intrados
c) Extrados d) None of these

Q.7 The projection which help in securing the head of a door frame to the masonry, are called (CO6)

- a) Stops
 - b) Styles
 - c) Reveals
 - d) Horns

Q.8 The horizontal upper part of a step on which foot is placed in a stairway is called (CO10)

Q.9 The width of landing should be _____ the width of stair. (CO10)

- a) Equal to b) Greater than
c) Less than d) None of these

Q.10 A brick which is half as wide as a full brick is called
(CO4)

- a) King closer
 - b) Mitered closer
 - c) Queen closer
 - d) Beveled closer

SECTION-B

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

- Q.11 The part of the building constructed below the ground level is referred as _____ (Super-structure / Sub-structure) (CO1)

- Q.12 A raft foundation is also known as _____ (Mat foundation / Pile foundation) (CO2)

- Q.13 The type of foundation most suitable for bridges is
(Pile foundation / Strap footing) (CO2)

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- Q.14 Weep holes are provided in the retaining walls to drain off the water from the filling behind. (True / False) (CO3)
- Q.15 In a brick noggin type of partition wall, the vertical wooden member are called _____ (Templates / Studs) (CO3)
- Q.16 The sill in a wooden partition wall is the _____ wooded member. (Upper Horizontal / Lower horizontal) (CO3)
- Q.17 The intermediate horizontal member provided for lock arrangement is called _____ (Lock rail / Bottom rail) (CO6)
- Q.18 The penetration of moisture inside a building through its walls, floors or roofs is known as _____ (waterproofing/ Dampness) (CO7)
- Q.19 The waterproofing construction for preventing water from the soil outside the basement to seep into the inside of the basement is called _____ (Basement Waterproofing/ Dampness) (CO7)
- Q.20 The type of insects known as _____ are most harmful and cause maximum damage to the buildings . (Snakes / White ants) (CO12)

SECTION-C

- Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)
- Q.21 Write the classification of buildings based on occupancy. (CO1)
- Q.22 What is shoring? Classify and explain any one. (CO2)
- Q.23 What is partition wall? Name the different types of the partition walls. (CO3)

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- Q.24 What precautions should be taken during the construction of brick walls? (CO4)
- Q.25 Write a short note on brick arch construction. (CO5)
- Q.26 Write the various functions of a lintel. (CO5)
- Q.27 What is door and why it is provided ? (CO6)
- Q.28 Write the general specification to be provided for ceramic tile flooring. (CO8)
- Q.29 Write a short note on timber flooring. (CO8)
- Q.30 Write the requirements of a good roof. (CO9)
- Q.31 Describe the various types of pitched roof. (CO9)
- Q.32 Write the conditions under which the landings are required in staircase. (CO10)
- Q.33 Write a short note on Bifurcated stairs. (CO10)
- Q.34 Write down the remedies for reducing the defects in plastering work. (CO11)
- Q.35 What are the purposes of 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 college building. (CO7)
- Q.38 a) Write a short note on collapsible steel door (CO6)
b) Write down the remedies for reducing the defects in plastering work. (CO11)

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