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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

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- 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)
a) Tread b) Flight
c) Riser d) Nosing
- 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)

- 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)