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Roll No.

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**3rd Sem. / Civil, GE (4th Sem), Brick Tech,
Const Mgmt., Highway Engg.
Subject : Building Construction**

Time : 3 Hrs.

M.M. : 100

SECTION-A

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

- Q.1 The lowest part of structure which transmits the load to the soil is known as. (CO-2)
a) Super-structure b) Plinth
c) Foundation d) Basement
- Q.2 The minimum depth of foundation for building on clay is (CO-2)
a) 0.2 to 0.4m b) 0.4 to 0.6m
c) 0.6 to 0.9m d) 0.9 to 1.6m
- Q.3 A wall built to resist the pressure of earth filling, is known as. (CO-3)
a) Breast wall b) Retaining wall
c) Parapet wall d) Buttress
- Q.4 A brick which is half as wide as a full brick, is called (CO-4)
a) King closer b) Mitred closer
c) Beveled closer d) Queen closer
- Q.5 The surface of the abutment on which the arch rest is known as. (CO-5)
a) Span b) Keystone
c) Skew back d) Crown

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- Q.6 The vertical members which support the door frame are called. (CO-6)
a) Reveals b) Styles
c) Posts d) Jambs
- Q.7 The horizontal members of wood or steel used to support the common rafter of sloping roof, are called. (CO-9)
a) Purlins b) Cleats
c) Hip Rafters d) Valley Rafters
- Q.8 The type of stone masonry commonly adopted in the construction of residential building is (CO-4)
a) Un coursed Rubble Masonry
b) Coursed Rubble Masonry
c) Random Rubble masonry
d) Dry Rubble masonry
- Q.9 In designing a stair, the product of going (in cm) and the rise (in cm) should be equal to (CO-10)
a) 300 b) 350
c) 400 d) 550
- Q.10 The process of filling up all nail holes, cracks etc. with putty is known as. (CO-11)
a) Knotting b) Priming
c) Stopping d) Finishing

SECTION-B

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

- Q.11 The minimum load which will cause failure of a foundation is called _____ of the soil. (CO-1)
- Q.12 The sill in a wooden partition wall is the _____ wooden member. (CO-3)

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- Q.13 The width of landing should be _____ the width of stairs.
- Q.14 When two or more footing are connected by a beam it is called _____.
- Q.15 The highest point on the extra dos is called _____.
- Q.16 In a queen Post truss, _____ vertical post are used. (CO-9)
- Q.17 The bottom Horizontal member of the frame is called _____. (CO-6)
- Q.18 The outer projecting edge of a tread is termed as _____. (CO-10)
- Q.19 The Bond having headers's and stretchers laid in alternate course is known as _____. (CO-4)
- Q.20 The inclination of sides of a roof to the horizontal is known as _____. (CO-9)

SECTION-C

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

- Q.21 Define foundation and name various cause of failure of a foundation. (CO-2)
- Q.22 What is load bearing wall and non load bearing wall? Discuss. (CO-3)
- Q.23 What is scaffolding? Explain briefly different types of it.
- Q.24 Explain the difference between brick masonry and stone masonry with reference to their suitability cost and method of construction. (CO-4)
- Q.25 Explain with sketches the difference amongst an english bond, a Double flemish Bond and a single flemish Bond. (CO-4)

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- Q.26 Distinguish between a lintel and an arch. (CO-5)
- Q.27 Give various advantages and disadvantages of _____.
- Q.28 What is Door? Name the different types of Doors. (CO-7)
- Q.29 What are the requirements of an ideal damp - proofing material? Explain. (CO-7)
- Q.30 Why D.P.C. is not provided with in door and verandah opening? Explain. (CO-7)
- Q.31 Write in detail about couple close Roof? (CO-9)
- Q.32 Name the various types of roof commonly used in India. Describe each stating clearly the destination between the different types? (CO-9)
- Q.33 Give requirement of an ideal stair case. (CO-10)
- Q.34 Write about the following in brief (CO-11)
- a) Oil Paints b) Plastic Paints
- Q.35 What is plastering? Give requirement of ideal plaster? (CO-11)

SECTION-D

Note: Long answer type questions. Attempt any two out of three questions. (10x2=20)

- Q.36 What is the function of land in Brief land in masonry? Differentiate between english and flemish Bond with neat diagram. (CO-7)
- Q.37 Name the various types of foundation generally used. Describe any two types of foundation with neat sketches and their suitability.
- Q.38 Define the different types of Door and window. Also draw a neat sketch of door with naming its various parts.

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