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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

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 strectchers laid in alternate course in 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. $(12 \times 5 = 60)$
- 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. in 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 care. (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. $(10 \times 2 = 20)$
- 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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