

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

- Q.23 Explain in detail. Different types of brick bonds with sketches.
- Q.24 Explain in details classification of rocks with sketches and examples.
- Q.25 Define damp proof course? Explain causes of dampness in buildings.

No. of Printed Pages : 4
Roll No.

220223

2nd Sem / architectural Assistantship Subject : Building Material & Construction - I

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

- Q.1 Granite is an example of
- a) aqueous rocks b) sedimentary rocks
c) metamorphic rocks d) igneous
- Q.2 _____ bond is better in appearance than English bond.
- a) Flemish b) Double Flemish
c) Single Flemish d) Poly Flemish
- Q.3 First class bricks are used for:
- a) Brick ballast in R.C.C
b) Boundary walls
c) Low Height walls
d) Pavements

- Q.4 Foundations can be broadly classified under _____
- a) Shallow foundation and Deep foundation
 - b) Pile foundation
 - c) None of the mentioned
 - d) All of the mentioned

- Q.5 Damp proofing is done with a _____ based mixture.
- a) Sand
 - b) Tar
 - c) Rubber
 - d) Lead

- Q.6 An _____ is a structure which is constructed to span across an opening.
- a) Doors
 - b) Windows
 - c) Arches
 - d) Bridge

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 Fly ash bricks are _____ & _____.
- Q.8 Draw a neat sketch of bricks with dimensions.
- Q.9 _____ is a layer of sedimentary rocks, sedimentary or pyroclastic material.
- Q.10 The solid base of a building is known as _____.

(2)

220223

- Q.11 Expand DPC _____.

- Q.12 _____ is a gap or space that allows for doors, windows etc.

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 What are classification and their properties of bricks?
- Q.14 What are the characteristics and utility of good building stones.
- Q.15 Explain the various uses of stones in constructions with its uses/application.
- Q.16 Write short notes on Fire bricks, its properties and their uses.
- Q.17 Write a short note on types of foundations.
- Q.18 Explain Treatment of Building component for effective damp proofing?
- Q.19 Write down Classification of damp proof courses as per hardness of material.
- Q.20 Explain Classifications of arches.
- Q.21 Explain lintel and Write their uses.
- Q.22 How brick Jali effect the architectural design aesthetics also explain their uses.

(3)

220223