

SECTION-D

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

- Q.23 Explain the importance of glass as an engineering materials ?
- Q.24 What are the common defects of timber ? Explain any three of them with neat sketches.
- Q.25 What do you mean by aggregates ? state any five difference between course aggregate and fine aggregate .

No. of Printed Pages : 4

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Roll No.

3rd Sem / Architectural assistantship

Subject : Building materials & construction - II

Time : 3 Hrs.

M.M. : 60

SECTION-A

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

- Q.1 Lime is use _____.
a) As a matrix for concrete
b) For plastering walls, ceilings etc.
c) For improving soil for agriculture purposes.
d) All of these
- Q.2 The commonly used lime in white washing is _____.
a) Quick lime b) Fat lime
c) Lean lime d) Hydraulic lime
- Q.3 The silica in Portland cement should be _____.
a) 10 to 20 % b) 20 to 25 %
c) 25 to 40 % d) 40 to 60%

- Q.4 The central part of a tree is called _____.
- a) Heart wood b) Pith
c) Sap wood d) Cambium layer
- Q.5 The defect caused by imperfect seasoning is called _____.
- a) Wet rot b) Cup shake
c) Dry rot d) Honeycombing
- Q.6 Glass is a _____ material.
- a) Transparent b) Translucent
c) Opaque d) Both (a) and (b)

SECTION-B

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

- Q.7 Define aggregates .
- Q.8 Define cement mortar.
- Q.9 Name any two types of glass.
- Q.10 Write any two uses of cement .
- Q.11 Define Timber .
- Q.12 What is the full form of OPC ?

SECTION-C

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

- Q.13 Explain any one method of seasoning.
- Q.14 What is the difference between rapid hardening and quick setting cement ?
- Q.15 Explain the properties of lime .
- Q.16 Explain the following
- a) Wired glass
b) Sheet glass
c) Plate glass
- Q.17 Differentiate between hand mixing and machine mixing
- Q.18 Explain the curing of concrete.
- Q.19 Explain water cement Ratio .
- Q.20 Differentiate between soft wood and hard wood .
- Q.21 What are properties of cement ? Explain briefly
- Q.22 What are the wood based product ? Explain any two in detail .