

## **SECTION-D**

**Note:** Long answer type questions. Attempt any two questions out of three questions.  $(2 \times 8 = 16)$

- 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

Roll No. ....

220231

**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  $(6 \times 1 = 6)$

- 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%

(100)

(4)

220231

(1)

220231

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.  $(6 \times 1 = 6)$

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 from of OPC ?

## SECTION-C

**Note:** Short answer type questions. Attempt any eight questions out of ten questions.  $(8 \times 4 = 32)$

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 .