

No. of Printed Pages : 4
Roll No.

220724

**2nd Sem / Branch :Civil Engineering
Sub.: Construction Material**

Time : 3Hrs.

M.M. : 60

SECTION-A

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

Q.1 Which of the following is not a tool used for dressing stones. (CO1)
a) Mallet b) Mason's hammer
c) Crow Chisel d) Jumper

Q.2 The minimum crushing strength of brick (CO2)
a) 75 kg/cm² b) 105 kg/cm²
c) 120 kg/cm² d) 140 kg/cm²

Q.3 The initial setting time of quick setting cement is (CO4)
a) 5 minutes b) 15 minutes
c) 30 minutes d) 40 minutes

Q.4 Decay in timber is due to (CO5)
a) Dry rot b) Insect effect
c) Imperfect seasoning d) All of the above

Q.5 The vehicle used in distemper is (CO6)
a) Thinner b) Water
c) Turpentine oil d) None of the above

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Q.6 The purest form of iron is (CO7)
a) Cast iron b) Steel iron
c) Wrought iron d) All of the above

SECTION-B

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

Q.7 _____ bricks are required for one cubic meter of masonry. (CO1)

Q.8 Gypsum is added to control the _____ of cement. (CO4)

Q.9 The basic constituents of an oil paint are _____? (CO6)

Q.10 Ferrous metals are those which contain _____ in large quantity. (CO8)

Q.11 The PVC wall panels are _____ plastic product. (CO8)

Q.12 Green building material should be ____? (CO9)

SECTION-C

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

Q.13 Enlist five uses of stone in construction? (CO1)

Q.14 Write any five requirements of good brick earth. (CO2)

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- Q.15 Write short note on
a) Sun dried brick
b) Traditional brick. (CO2)
- Q.16 Define PVC tiles and interlocking tiles. (CO3)
- Q.17 Describe three properties and uses of ordinary Portland cement. (CO4)
- Q.18 Enlist any five characteristics of a good building timber? (CO5)
- Q.19 Define oil paints and water paints. (CO6)
- Q.20 What are the uses of metals in building construction.
(CO7)
- Q.21 Explain properties of ACP sheets. (CO8)
- Q.22 Describe the characteristics of green building.(CO9)

SECTION-D

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

- Q.23 Explain Bull's Trench kiln with line diagram. (CO2)
- Q.24 Explain with a neat sketch the manufacturing of cement by wet process. (CO4)
- Q.25 What are the various methods of seasoning timber?
Describe in details the process of kiln seasoning.
(CO9)

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(1780)

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