

No. of Printed Pages : 4

Roll No.

220724

2nd Sem. / Civil

Subject : Construction Materials

Time : 3 Hrs.

M.M. : 60

SECTION-A

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

Q.1 The minimum strength of granite is CO-1

- a) 800kg/cm²
- b) 900 kg/cm²
- c) 1000 kg/cm²
- d) none of the above

Q.2 The standard size of brick is CO-2

- a) 200mm ' 100mm ' 100mm
- b) 190mm ' 190mm ' 40mm
- c) 190mm ' 190mm ' 90mm
- d) None of the above

Q.3 Gypsum is added to increase the CO-4

- a) Initial setting time
- b) Final setting time
- c) Ultimate strength
- d) All of the above

Q.4 Seasoning of timber is done to CO-5

- a) Minimize shrink, warp, split
- b) increase in strength
- c) Increase in durability
- d) All of the above

Q.5 Can ACP sheets UV rays resistant CO-8

- a) Yes
- b) No
- c) Neither (a) nor (b)
- d) None of the above

Q.6 Which of the following is ferrous metal? CO-7

- a) Copper
- b) Aluminum
- c) Steel
- d) None of the above

SECTION-B

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

Q.7 Alkalies and salt, if present in the brick earth, produce _____? CO-1

Q.8 For storing of cement, the platform should be raised _____ above the ground. CO-4

Q.9 Decay in timber is due to _____? CO-5

Q.10 The carbon content in High tension steel is _____? CO-7

(1)

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(2)

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Q.11 The ignition temperature of PVC wall panel is around _____? CO-8

Q.12 Asbestos is _____ in structure. CO-9

SECTION-C

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

Q.13 Enlist any five qualities of good building stones. CO-1

Q.14 Write five characteristics of brick as per BIS standards. CO-2

Q.15 Describe size and weight of first and second class of bricks. CO-2

Q.16 Enlist the various chemical constituents of ordinary Portland cement. CO-4

Q.17 Name different types of preservations used for timber. Explain any one. CO-5

Q.18 What are the characteristics of an ideal material. CO-6

Q.19 Write a note on steel as building material. CO-7

Q.20 Enlist any five advantages of HPL sheets. CO-8

Q.21 Describe the properties of Eco-friendly building materials. CO-9

Q.22 Explain commercial uses of asbestos. CO-9

SECTION-D

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

Q.23 Explain process of quarrying of stones by blasting and its effect on Environment. CO-1

Q.24 Describe the name of various laboratory tests conducted on cement. Explain any one. CO-4

Q.25 Explain the different types of water proofing material with their suitability. CO-9

(**Note:** Course outcome/CO is for office use only)