

532

Register No.:

April 2024

Time – Three hours
(Maximum Marks: 100)

- [N.B. 1. Answer all questions under Part-A. Each question carries 3 marks.
2. Answer all the questions either (A) or (B) in Part-B. Each question carries 14 marks.]

PART – A

1. What are the uses of stones?
2. What are the compositions of Ordinary Portland Cement?
3. Define Varnish. List any three types of Varnish.
4. Write the objectives and uses of Roof coverings.
5. Write the formula for safe bearing capacity of soil.
6. Define Bevelled closer with a neat sketch.
7. What is the purpose of holdfast used in doors?
8. What are the components of stairs?
9. What is pointing? Name the types of pointing.
10. What are the objectives and uses of anti-termite treatment?

[Turn over.....

PART – B

11. (a) Discuss about physical properties of construction materials.
(Or)
(b) (i) What are the types of cement? Describe any three types of cement. (10)
(ii) Write short notes on Grades of cement. (4)
12. (a) Explain about constituents of concrete and its requirements.
(Or)
(b) (i) Write short notes on water proofing materials.(7)
(ii) What are the various functions of admixtures?(7)
13. (a) Explain the objectives and requirements of a good foundation.
(Or)
(b) (i) Explain Asbestos cement board partition with sketch.(7)
(ii) Explain Aluminium frame with glass sheet partition.(7)
14. (a) (i) Write the general rules to be observed in designing the location of doors and windows.(10)
(ii) What is the standard size and minimum size of doors?(4)
(Or)
(b) Explain about lift and its components. Also state its advantages over stairs.
15. (a) Write the step-by-step procedure for the methods of plastering in two coats with a neat sketch.
(Or)
(b) What are the types of scaffolding? Explain the features of each type of scaffolding with neat sketches.
