

201

Register No.:

November 2022

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. Define Density and Bulk Density.
2. Define Specific Gravity and Fire resistance.
3. What are the different types of Mortar and its ingredients?
4. Write short notes on Mortar.
5. What is permanent and temporary structure?
6. Define Substructure and Super structure.
7. Define door and Name the different materials used for doors and windows
8. What is the purpose of holdfast used in doors.
9. State the requirements of good plaster.
10. What is meant by stucco plastering?

PART - B

11. (a) Discuss briefly physical properties of construction materials.
(Or)
(b) (i) Explain in detail the requirements of good building stone.
(ii) What is artificial stone? Give examples.

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12. (a) Define varnish and where it is applied? Explain the various types of varnish in detail.

(Or)

(b) Write short notes on lime concrete, cement concrete and light weight concrete.

13. (a) What are the different types of foundation? Explain about any three.

(Or)

(b) What are the various causes of failure of foundations and explain and its remedial measures?

14. (a) (i) State the general rules to be observed in designing location of doors and windows.(7)

(ii) What is the standard size used in doors and what is the minimum size of doors?(7)

(Or)

(b) Draw a neat sketch of framed and panelled door and give details of the door and name the various parts.

15. (a) What are the various types of Pointing used in buildings? Explain them with neat sketches.

(Or)

(b) Write the step-by-step procedure for the method of plastering in two coats with a neat sketch.