

7. Cracks parallel to reinforcement is a symptom of deterioration of a member due to
(a) Excess load (b) Corrosion (c) Rain (d) Wind
8. The durability of building stone masonry is affected by its
(a) Chemical composition (b) Texture
(c) Location in structure (d) All the above
9. Scraper is an equipment used for
(a) earth moving (b) pile driving (c) dredging (d) concreting
10. The material handling device used for aerial transport
(a) Tractor (b) Cableways (c) Winches (d) Skids

PART - B (5 x 2 = 10 Marks)

11. What is meant by batching?
12. What is slip form?
13. What is thermal insulation?
14. Define repair.
15. State the factors that affect the selection of equipment for earthwork.

PART - C (5 x 16 = 80 Marks)

16. (a) Discuss in detail about the stages in manufacturing of concrete. (16)
- Or
- (b) Explain the tests to determine the compressive and flexural strength of hardened concrete. (16)
17. (a) Discuss in detail about any four types of flooring. (16)
- Or
- (b) Name the different types of scaffolding. Explain any two types of scaffolding. (16)
18. (a) Describe about the types of paints. (16)
- Or
- (b) Discuss about the damp-proofing in walls and floors with neat sketches. (16)

19. (a) Explain about stages in diagnosis of damages in structures. (16)

Or

(b) Discuss the common types of repairs in detail. (16)

20. (a) Explain the equipments used for foundation and pile driving. (16)

Or

(b) Discuss about the equipments used for erection of structures. (16)
