



12. (a) Explain the soundness test and consistency test on cement. (13)

Or

(b) Describe the functions of cement manufacturing process. (13)

13. (a) Recall the process in batch plant. (13)

Or

(b) Illustrate the placing and compaction of concrete. (13)

14. (a) Explain aluminium composite panel, advantages and applications. (13)

Or

(b) Discuss the market forms of steels. (13)

15. (a) Write down the applications of laminar composites. (13)

Or

(b) Write notes on geomembranes and geotextiles for earth reinforcement. (13)

PART C — (1 × 15 = 15 marks)

16. (a) Explain the tests on stone in detail. (15)

Or

(b) Explain the types of cement in detail. (15)

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