

PART - B (5 × 16 = 80 Marks)

11. (a) What are the factors to be considered for mix design ? Explain the step by step procedure for IS method.

OR

- (b) Explain any two tests for testing of fresh concrete.

12. (a) Describe the different types of bonds in brick masonry with sketches.

OR

- (b) What is scaffolding ? Mention its various components and types.

13. (a) Describe the procedure involved in underwater construction of diaphragm walls and basement.

OR

- (b) What is dewatering ? And briefly explain the various dewatering techniques.

14. (a) Explain the general requirements in launching girders.

OR

- (b) Explain about the support structures required for heavy equipments and conveyors.

15. (a) Explain the various equipments for pile driving.

OR

- (b) Mention the various types of earthwork equipment. Mention their uses.