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**PART – B**

**(5×13=65 Marks)**

11. a) Describe the characteristics to be considered for selection of stones for various civil engineering works.

(OR)

b) List out the types of special bricks. Briefly explain any four of them.

12. a) What are the various ingredients required for manufacturing cement ? State their functions.

(OR)

b) Compare and contrast the advantages and disadvantages of using lime and cement in engineering works.

13. a) Explain the test on workability of concrete.

(OR)

b) Write short notes on :

i) High Strength Concrete. (6)

ii) Self Compacting Concrete. (7)

14. a) List out and explain the various methods of seasoning of timber.

(OR)

b) Investigate the various applications of aluminium.

15. a) Describe the process of manufacturing of Glass ? What are the uses of glass in construction industry ?

(OR)

b) Discuss the uses of Clay Products.

**PART – C**

**(1×15=15 Marks)**

16. a) Explain the application of geotextiles for earth reinforcement.

(OR)

b) Explain the application of Bitumen in road construction.

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