





12. a) Describe the following with neat sketches.

- i) Consistency test.
- ii) Soundness test.

(OR)

b) Reproduce the following test procedure on coarse aggregate.

- i) Crushing strength test.
- ii) Impact strength test.

13. a) i) List the advantages of compaction by vibration.

ii) Labels the methods of curing concrete.

(OR)

b) List the advantages of ready mix concrete and mention its types.

14. a) Describe the following wood based products with neat sketch.

- i) Veneers
- ii) Plywood

(OR)

b) Recall the physical and mechanical properties of (i) Aluminum  
(ii) Copper and (iii) Lead.

15. a) i) List the types of glass used in construction.

ii) Mention the properties and applications of Fiber glass reinforced plastic.

(OR)

b) Explain the types of ceramics and their applications.

**PART – C**

**(1×15=15 Marks)**

16. a) Explain the functions and application of geo textiles in construction.

(OR)

b) i) List the defects in painting.

ii) Explain the forms of bitumen.