

CE-8391 Construction Materials
Important 13Mark Questions

Unit I

1. Explain the various methods for the preservation of stone work.
2. Describe with sketches the manufacture of bricks by Hoffman's kiln.
3. Describe the various tests on bricks.

Unit II

1. Explain the hydration process of cement.
2. Explain with codal provision for testing of conventional coarse aggregates.
3. Describe the manufacturing process of cement.

Unit III

1. What is compaction of concrete? Explain the different compaction process of concrete.
2. What is meant by curing of concrete? Explain the different curing process of concrete.
3. With sketches explain the various specifications for self-compacting concrete.

Unit IV

1. Explain the preservative treatments available for timber.
2. Explain the different types of paints used in building construction?
3. Explain the manufacturing process and civil engg applications of steel.

Unit V

1. Explain the different types of glass with its application in buildings?
2. Explain in detail about refractories.
3. Explain various applications of
 - (i) Geomembranes
 - (ii) Geo textiles.