

V30/BID101/EE/20160518

Time : 3 Hours

Marks : 80

Instruction :

1. All Questions are Compulsory.
 2. Each Sub-question carry 5 marks.
 3. Each Sub-question should be answered between 75 to 100 words. Write every questions answer on separate page.
 4. Question paper of 80 Marks, it will be converted in to your programme structure marks.
-

1. Solve any **four** sub-questions.
 - a) What is composition of bricks? 5
 - b) Give geological classification of rocks. 5
 - c) Give advantages of artificial stones over natural stones. 5
 - d) Describe uses of lime in building industry. 5
 - e) What is mortar & where it is used? 5
2. Solve any **four** sub-questions.
 - a) Give classification of sand based on its size of particles. 5
 - b) Give properties of cement. What is Portland cement? 5
 - c) What is white cement & where it is used? 5
 - d) Give uses of cast iron in the building industry. 5
 - e) What are the anticorrosive treatments given to ferrous metals? 5
3. Solve any **four** sub-questions.
 - a) Why popularity of stainless steel is increasing day by day? 5
 - b) What are acoustical materials? Name few acoustical materials. 5
 - c) Give composition of oil bound paint. 5
 - d) What is distemper & where it is used? 5
 - e) Write uses of PVC in building industry. 5

4. Solve any **four** sub-questions.
- a) What is opaque making & mirror making treatment given to glass? 5
 - b) Draw cross section through bark of the tree & describe each part. 5
 - c) What is MDF & where it is used? 5
 - d) Describe passive water proofing. 5
 - e) Give uses of aluminum in building industry. 5

