Diploma / Integrated B.Tech 3rd Semester(CE) Examination

June, 2014

Construction Material
Subject Code:  CEL-035

Time Allowed: 03 hours.              Maximum Marks: 100

Before answering the question paper the candidate should ensure that they have been supplied the correct question paper. Complaints in this regard, if any, shall not be entertained after the examination.

Note: Question No. 1 is Compulsory and attempt two questions from each section. All questions carry equal marks.

Q1(a) Discuss on classification of bricks
    (b) Define Hardness test
    (c) Discuss about Water absorption test
    (d) Explain Compressive strength test
    (e) Discuss about the various Grades of ordinary Portland cement

SECTION – A

Q2(a) What are the constituents of good brick earth?
    (b) Describe the two ways of mounding of bricks? [2x10=20]

Q3(a) Explain the composition of ordinary cement.
    (b) Mention of uses of cement?          [2x10=20]

Q4(a) write the properties of sand used in mortar?
    (b) write the function of the sand in mortar? [2x10=20]

SECTION – B

Q5. Explain the different type of bond in brick masonry? [20]

Q6(a) What is seasoning of timber?
    (b) What is the advantage of seasoning of timber? [2x10=20]