Diploma / Integrated B.Tech 3rd Semester (CE) Examination
June, 2014
Surveying-I
Subject Code: CEL-037

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.

Q.1 (a) Discuss the objective of surveying.      (b) Explain the methods of determining distances
(c) Define Triangulation & traversing       (d) Write short notes on Compass traverse. [4x5=20]

SECTION – A

Q2.(a) Discuss the classification of surveys based upon the nature of field survey.
(b) Discuss the classification of surveys based upon the instrument used in the survey. [2x10]

Q3) Discuss the various methods of making linear measurements and their relative merit depends upon the precision required. [20]

Q4) (a) What do you understand from chain surveying? Discuss the principle of chain triangulation.
(b) Discuss in detail with neat sketch about the various instruments used for setting out right angles during survey work. [2x10]

Q5). What is the objective of plane table surveying? Discuss about the various instruments used in plane table survey. [20]

Q6) Define leveling. Discuss the various method used for leveling. [20]

Q7) Discuss in detail with neat sketch about the various leveling instruments. [20]