

01444

Diploma in Civil Engineering

Term-End Examination

June, 2011

BCE-045 : CONSTRUCTION DRAWING

Time : 2 hours

Maximum Marks : 70

Note : Part 'A' is to be attempted on answer scripts and Part 'B' on a drawing sheet. Use of calculator is allowed. Assume suitable data wherever necessary.

PART-A

Attempt *any five* questions from the following :-

1. Describe different types of lines with their applications. 7
2. What is the purpose of using standard abbreviations in drawings ? Give standard abbreviations for the following. 7
Approximate, Left Hand side, Cast iron, Cylindrical, Door.

3. Explain the principle using which the base width of a foundation is fixed, in case of a spread foundation for a brick masonry wall. 7
4. Explain briefly, with neat sketches, the arrangement of reinforcement in case of an isolated rectangular footing for a column. 7
5. Draw neat sketches of various type of wooden framing joints. 7
6. Mention various architectural aspects of a staircase regarding width, number of steps, tread, rise, landing and head room. 7
7. Enlist various types of steel roof trusses. Show any two by means of neat line sketches. 7
8. State the circumstances when truss roofs are preferred to flat R.C.C. roofs. 7