

MODEL QUESTION PAPER

DSC4

III Semester DIPLOMA Examination, August 2011 CIVIL ENGINEERING DRAWING

Time: 3 Hours

Max. Marks: 75

GROUP A : Answer any three questions.

- Q.1 Draw the standard symbols for Electrical drawing.
- Q.2 Draw with the neat sketch of standard symbols used in civil engineering.
- Q.3 Prepare a detailed drawing for 35 bed capacities with all the facilities available in hospital. Assume suitable data.
- Q.4 How much should be the Outside or Exterior open Spaces will be providing while planning?
- Q.5 Give the different phases of construction where drawings are needs.

GROUP B : Answer any three questions.

- Q.6 Write a note home orientation.
- Q.7 Give the formula for to calculate Floor Space Index.
- Q.8 Why planning is necessary? Explain the principles of planning.
- Q.9 Which types of certain basic, essential information should be must in working drawing.
- Q.10 Explain any three Drawing instruments with there users.

GROUP C: All Questions are Compulsory.

Q.11 Fill in the blanks

- (i) _____ is provided where upper impervious layer of soil is shallow.
- (ii) For habitable rooms are not abutting on either the front, rear of side open space, there shall be interior open whose minimum width is _____m.
- (iii) The term _____ is used to indicate the architectural effect produced by elevation and general lay out of the plan.
- (iv) _____ are usually on full sized sheets similar to those used for working drawings.
- (v) The height of kitchen room shall not be less than _____m.

Q.12 Multiple choice question.

- (i) _____ means the external views as seen from certain rooms of the building.
 - (a) Roominess
 - (b) Prospect
 - (c) Aspect
 - (d) Elegance
- (ii) Following is not method of rain water harvesting. _____.
 - (a) Researching ground water aquifers

- (b) Recharging pits
- (c) Researching bore wells
- (d) Researching Septic tank
- (iii) The following is not a principle planning _____.
 - (a) Privacy
 - (b) Economy
 - (c) Roominess
 - (d) Habit
- (iv) _____ is a communicator using a drawing to transmit information.
 - (a) Detailer
 - (b) Engineers
 - (c) Draftsperson
 - (d) Contractor
- (v) In which of the following engineering discipline includes soil consultant _____.
 - (a) Structural
 - (b) Electrical
 - (c) Mechanical
 - (d) all of the above

Q.13 True or false

- (i) The minimum vertical and clear distances from the building for low and medium voltage electric lines should be 2.4m and 1.22m respectively.
- (ii) Economy is not the factor of principles of planning
- (iii) The term aspect means the arrangement of walls and windows in the external walls of building, particularly of residential buildings.
- (iv) The beat location of verandah is North and west.
- (v) Residential building is a building where one dwells permanently for a considerable time.
