TED (10) 3033
Revision 2010

Reg.No.....
Signature.....

Fourth Semester Diploma Examination in Architecture
October 2012

WORKING DRAWING-I

Maximum marks:-100

Time:- 3 hours

Note:- 1. Drawing shall be neat and fully dimensioned
2. Missing data can be suitably assumed.
3. A2 size drawing sheets to be supplied.

PART - A

Marks

I. Answer the following questions in one or two sentences. Each question carries 2 marks.

1. Differentiate between Flemish bond and English bond.
2. List out four type shallow foundations.
3. Define 'Flight' of a stair.
4. What is rail? Write types of rail on a paneled door.
5. What are uses of purlin and cleat in steel truss? (5 x 2 = 10)

PART - B

II. Answer any ***three*** questions. Each question carries 10 marks.

1. Draw plans and elevation of rat-trap bond.
2. Draw the elevation of a fully glazed window.
3. Draw the plan details of connection between door frame, style and panel.
4. Draw plan and elevation of a bifurcated stair.
5. Draw the details at base plate connection of a steel truss. (3 x 10 = 30)

PART -C

(Answer one full question from each unit. Each question carries 15 marks)

Unit - I

III Draw the plan and two sections of a raft foundation for two roomed shop with the outer dimensions are 10.40m x 4.40m. (15)

Or

IV Draw odd and even courses of one brick wall Flemish bond with a stopped end at a distance of 80 cm. Add an elevation of the wall to a height of 40cm. (15)

Unit - II

V Draw to a suitable scale plan, elevation and section of a double shuttered fully paneled door of size 100cm x 210 cm. (15)

Or

VI Draw the sectional plan, elevation and cross sectional elevation of a half glazed paneled window.
Size :- 150cm x 150cm (15)

Unit - III

VII Sketch the typical plan and elevation of following stairs.
(i) Quarter turn stair (ii) Half turn stair (iii)Circular stair (iv) Spiral stair (15)

Or

VIII Draw the plan and section of passenger lift, machine room and lift pit to serve three stored building the floor height is 330cm. (15)

Unit - IV

IX Draw the elevation of typical steel truss of 750cm span supporting wall is 30cm thick. (15)

Or

X Draw the elevation of a tubular truss of 10 m span. (15)

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