TED (10) 4016

Reg No................................

REVISION (2010)

Signature...........................

MODEL QUESTION-SIXTH SEMESTER DIPLOMA EXAMINATION IN ARCHITECTUTRE

WORKING DRAWING III

(*Time: 3 Hours*)

(Maximum Marks: 100)

NB: (i) Assume any missing data.

(ii)All drawings should be neat and fully dimensioned.

(iii) 2 Nos. of A2 size drawing sheets should be supplied.

PART- A

Marks

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

1. What is the purpose of providing glazing?
2. Give any two functions of cladding.
3. What is earthing?
4. Sketch the symbols of incandescent and fluorescent lamps.
5. How are the slabs classified into one way slab and two way slabs?   (5x2=10)

PART- B

II. Answer any three of the following. Each question carries 10 marks:

1. Draw the detail of a typical curtain walling infill panel.
2. Draw the electrification layout of a dining room of size 360cmx510cm, showing all furniture details, to a scale of 1:50.
3. Draw the longitudinal section of a simply supported beam of size 30cmx40cm, 3m long. It is provided with 2 nos of 12mm dia bars at the bottom, 2 nos of 10mm dia bars at the top and 6mm dia stirrups @300mm c/c.
4. Draw the sectional elevation of a RCC circular column of 30cm diameter with footing of size 1.6x1.6m and 12mm dia bars provided as reinforcement @20cm c/c in both directions. The thickness at the edge of the footing is 30 cm and of the sloping side at the column face is 90cm. Column is provided with 6 nos of 16mm dia bars and 8mm lateral ties @150mm c/c. Depth of the column footing is 150cm.

PART- C

Answer the following questions. Each question carries 30 marks.

III. Prepare the electrification layout of the residential building given in figure. Furniture details need not be shown.
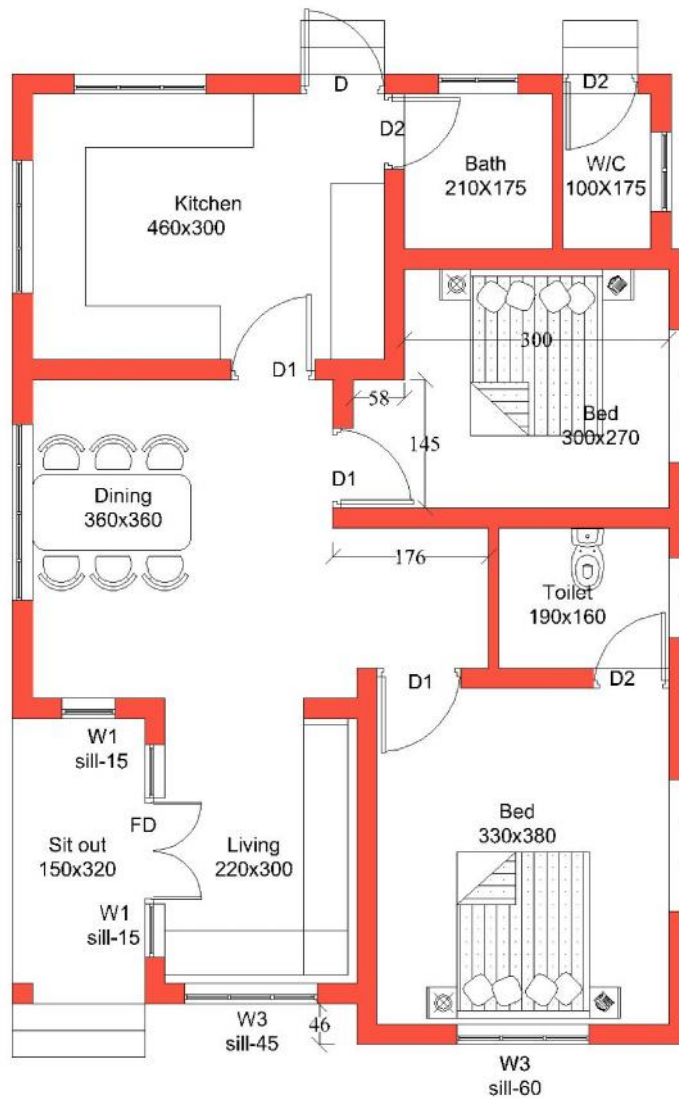
IV. The details of a two way RCC slab is given below:

Size of room   - 3.5mx6m

Slab thickness   - 12cm

Reinforcement: short span   - 10mm dia Fe 415 grade steel bars @150mm c/c,

alternate bars bent up.

long span   - 10mm dia Fe415 grade steel bars @180mm c/c,

alternate bars bent up.

Draw (1) Sectional elevation along short span   (10 marks)

(2) Sectional elevation along long span.   (10 marks)

(3) Plan   (10 marks)