TED (10)–4016

Reg. No. 10150055

(REVISION—2010)

Signature .....

SIXTH SEMESTER DIPLOMA EXAMINATION IN ARCHITECTURE—
MARCH, 2013

WORKING DRAWING–III

[*Time* : 3 hours

(Maximum marks : 100)

[Note : (i) Assume any missing data.

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

(iii) Two numbers of A2 size drawing sheets should be supplied.]

Marks

PART—A
(Maximum marks : 10)

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

1. Mention any two materials used for cladding.
2. What is a suspended ceiling ?
3. What is conduit wiring ?
4. Sketch the symbols of ceiling fan and exhaust fan.
5. Specify the minimum cover and minimum diameter of reinforcement provided to an RCC column. (5×2=10)

PART—B
(Maximum marks : 30)

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

1. Draw the support detail of a typical jointless suspended ceiling.
2. Draw the electrification layout of a living room of size 360cm × 480cm, showing all furniture details, to a scale of 1:50.
3. Draw the longitudinal section of a simply supported beam of size 20cm × 35cm, 3meter long. It is provided with 2 nos. of 10 mm dia. bars at the bottom, 2 nos. of 8 mm dia. bars at the top and 6 mm dia. stirrups @ 200mm c/c.
4. Draw the plan of a two way RCC slab, 10 cm thick, for a room of size 3m × 5m with 10 mm dia. bars @ 150 mm c/c (alternate bars bent up) as short span rein forcement and 10 mm dia. bars @ 180 mm c/c (alternate bars bent up) as long span reinforcement. (3×10=30)

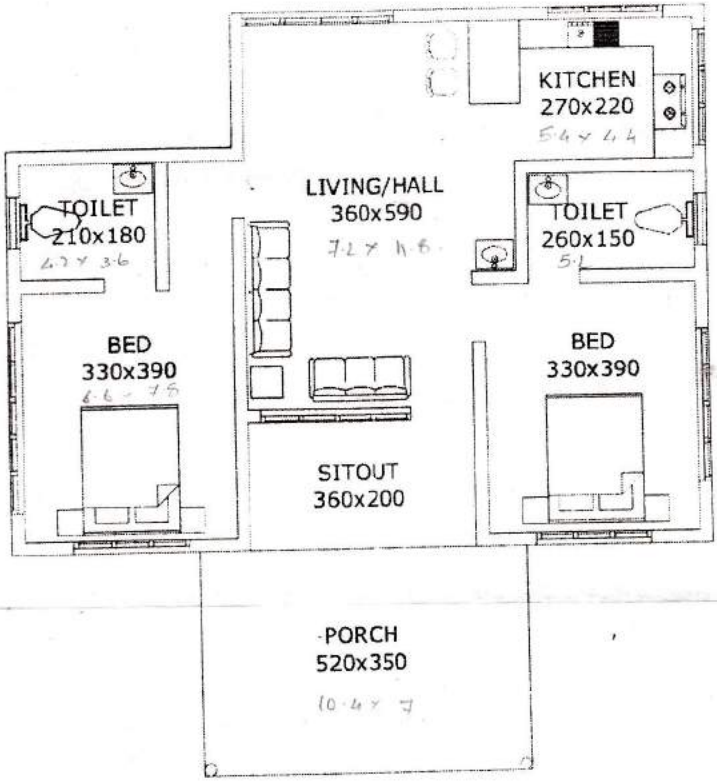
Marks

PART—C

(Maximum marks : 60)

(Answer the following questions. Each question carries 30 marks.)

III Draw the electrification layout of the residential building given in figure. Furniture details need not be shown.



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IV The details of a one way RCC slab is given below :

(i) Size of room — 3m×7m

(ii) Slab thickness — 10cm

(iii) Reinforcement : short span — 10mm dia. Fe 415 grade steel bars @ 120mm c/c, alternate bars bent up.

Long span — 10mm dia. Fe 415 grade steel bars @ 150mm c/c.

Draw :

(1) Sectional elevation along short span 10

(2) Sectional elevation along long span 10

(3) Plan. 10