

INDIAN TECHNICAL EDUCATION SOCIETY
SESSIONAL EXAMINATION

AUG. - 2024

Date:- 10/8/2024

Time: - 10:00 AM TO 12 NOON
Marks: 100

ARCHITECTURE DRAUGHTSMAN - IV (AD - IV)

- Note: 1. Figures to the right indicate full marks.
2. Draw neat sketches wherever necessary.
3. Assume suitable DATA wherever necessary.

Q. 1 Develop the given line plan (Fig. No. 1) use scale 1:100

- A) Draw detailed plan showing all details. (2)
- B) Draw front elevation showing all details. (2)
- C) Prepare schedule of opening (door and window). (1)

Q. 2 Solve any two of the following. (Any two) (2)

- A) Draw neat labelled sketch doglegged stair case (plan & elevator)
- B) Draw isometric views of the given views Fig. 2.
- C) Draw one way slab (Plan & sectional elevation).
- d) Draw one point perspective view of the given view Fig. 3.

Q. 3 Attempt any two of the following.

A) Draw a line plan of a school building use scale 1:200 with suitable dimensions.

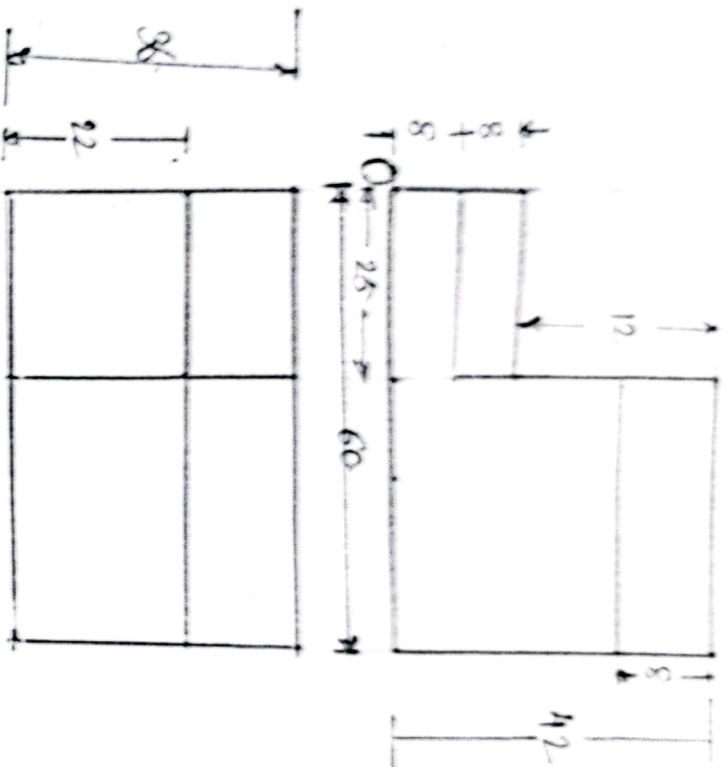
- a) Class room – 5 Nos. For (60 student capacity each)
- b) staff room.
- c) Office
- d) Laboratory
- e) Library
- f) Hall
- g) Ground
- h) Wash room etc.

Assume necessary data.

B) a) Draw R.C.C. column footing.

b) Draw R.C.C. lintel & Chajja.

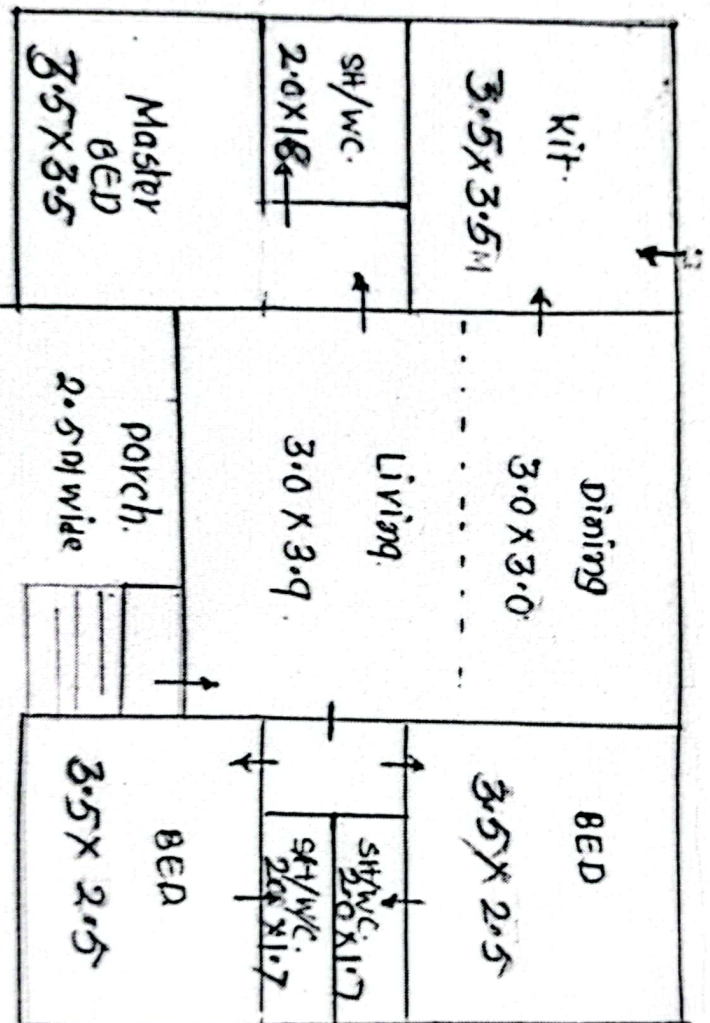
C) Draw complete accessories used in plane table survey & mention their uses.



T.V.

FIG. NO. 2

NOT TO SCALE



All dimensions in meter

Fig. No. 1

- * Assume all wall thk. 0.3 m
- * Assume window positions

- * NOT TO SCALE
- * ASSUME SUITABLE DATA
- * → shows entry doors.

Q2 (f)

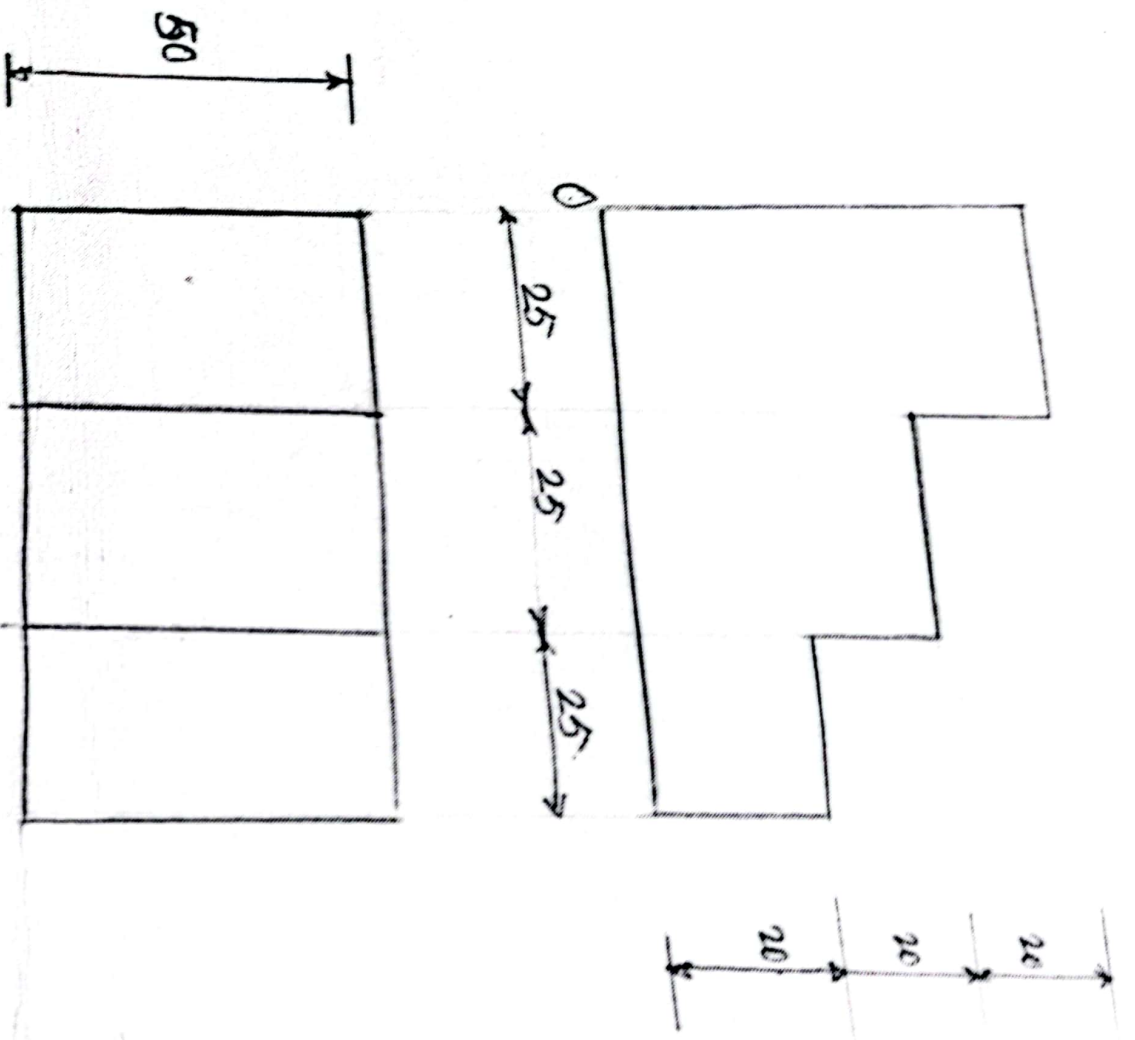


Fig. No. 3

NOTE-- Fig drawn not to scale.

ARCHITECTURE DRAUGHTSMAN – IV (AD – IV)

- 1. Figures to the right indicate full marks.
- 2. Draw neat sketches wherever necessary.
- 3. Assume suitable DATA wherever necessary.

1 Develop the given line plan (Fig. No. 1) use scale 1:100

- A) Draw detailed plan showing all details.
- B) Draw front elevation showing all details.
- C) Prepare schedule of opening (door and window).

2 Solve any two of the following. (Any two)

- A) Draw neat labelled sketch doglegged stair case (plan & elevator)
- B) Draw isometric views of the given views Fig. 2.
- C) Draw one way slab (Plan & sectional elevation).
- d) Draw one point perspective view of the given view Fig. 3.

Attempt any two of the following.

A) Draw a line plan of a school building use scale 1.200 with suitable dimensions.

- a) Class room – 5 Nos. For (60 student capacity each)
- b) staff room.
- c) Office
- d) Laboratory
- e) Library
- f) Hall
- g) Ground
- h) Wash room etc.

Assume necessary data.

B) a) Draw R.C.C. column footing.

b) Draw R.C.C. lintel & Chajja.

C) Draw complete accessories used in plane table survey & mention their uses.



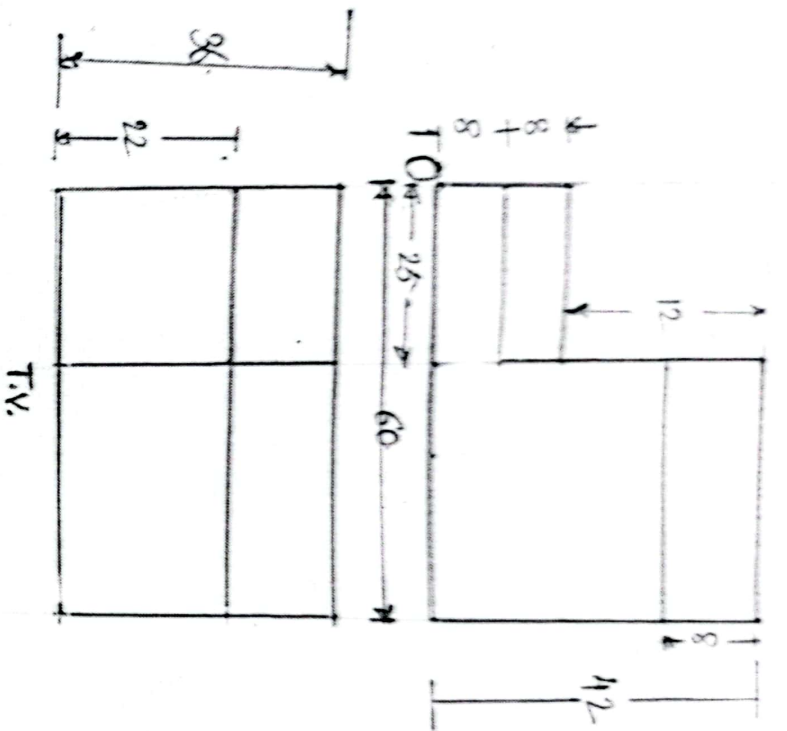
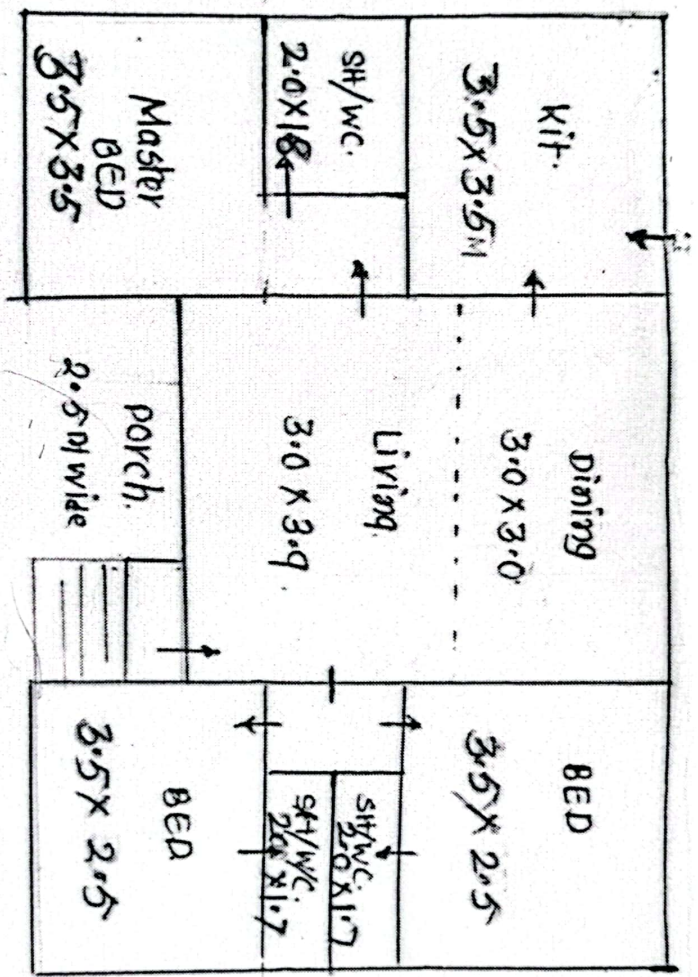


FIG. NO. ②

NOT TO SCALE

Q.1 (b)



All dimensions in meter

Fig. NO. 1

- * Assume all wall thk. 0.3m
- * Assume window positions

- * NOT TO SCALE
- * ASSUME SUITABLE DATA
- * → shows entry doors.

Q.2 (d)

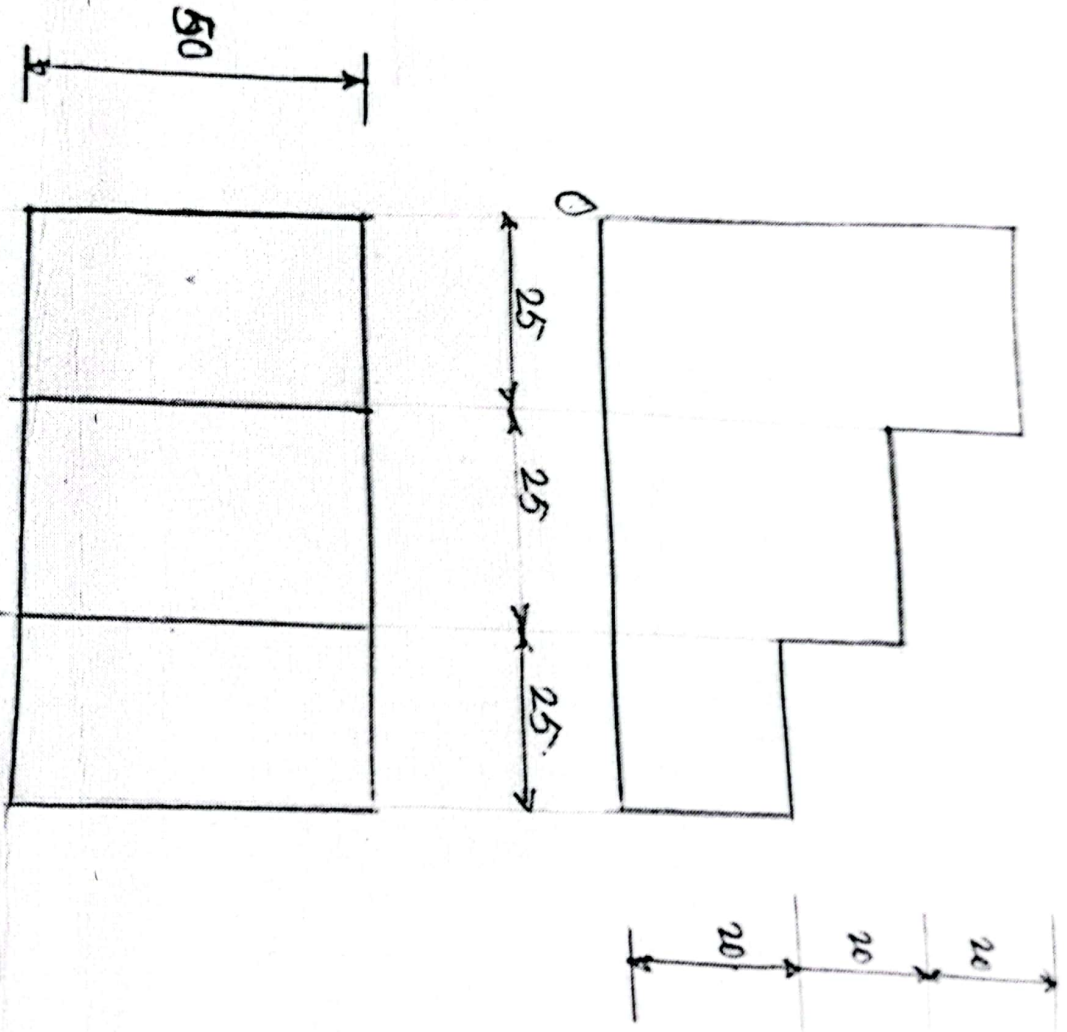


Fig. No. 3

NOTE - Fig drawn not to scale.

INDIAN TECHNICAL EDUCATION SOCIETY
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AUG. - 2024

--- 10/8/2024

Time: - 10:00 AM TO 12 NOON
Marks: 100

ARCHITECTURE DRAUGHTSMAN – IV (AD – IV)

1. Figures to the right indicate full marks.
2. Draw neat sketches wherever necessary.
3. Assume suitable DATA wherever necessary.

Develop the given line plan (Fig. No. 1) use scale 1:100

- A) Draw detailed plan showing all details. (20)
- B) Draw front elevation showing all details. (20)
- C) Prepare schedule of opening (door and window). (10)

Solve any two of the following. (Any two) (2)

- A) Draw neat labelled sketch doglegged stair case (plan & elevator) (20)
- B) Draw isometric views of the given views Fig. 2. (20)
- C) Draw one way slab (Plan & sectional elevation). (10)
- d) Draw one point perspective view of the given view Fig. 3. (10)

Attempt any two of the following.

- A) Draw a line plan of a school building use scale 1.200 with suitable dimensions. (20)
 - a) Class room – 5 Nos. For (60 student capacity each)
 - b) staff room.
 - c) Office
 - d) Laboratory
 - e) Library
 - f) Hall
 - g) Ground
 - h) Wash room etc.Assume necessary data.
- B)
 - a) Draw R.C.C. column footing. (20)
 - b) Draw R.C.C. lintel & Chajja. (10)

- C) Draw complete accessories used in plane table survey & mention their uses. (20)



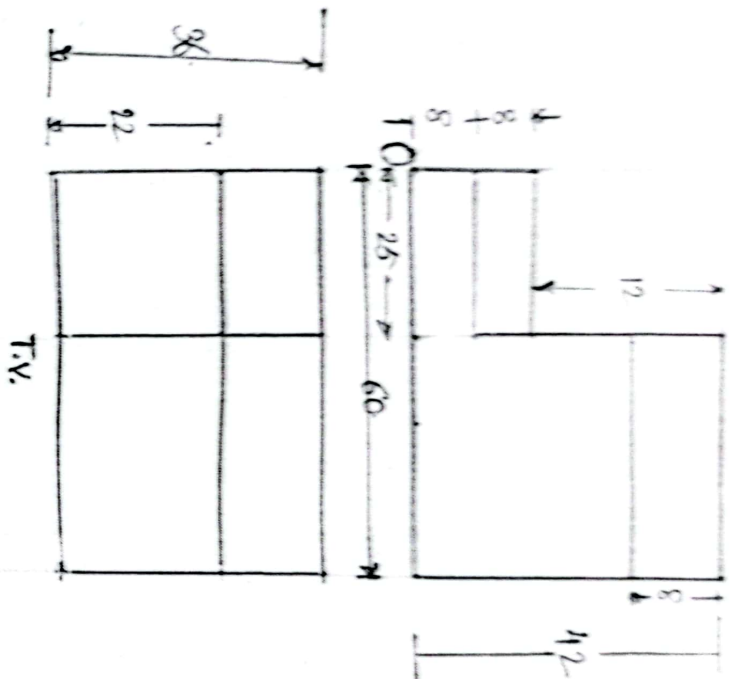
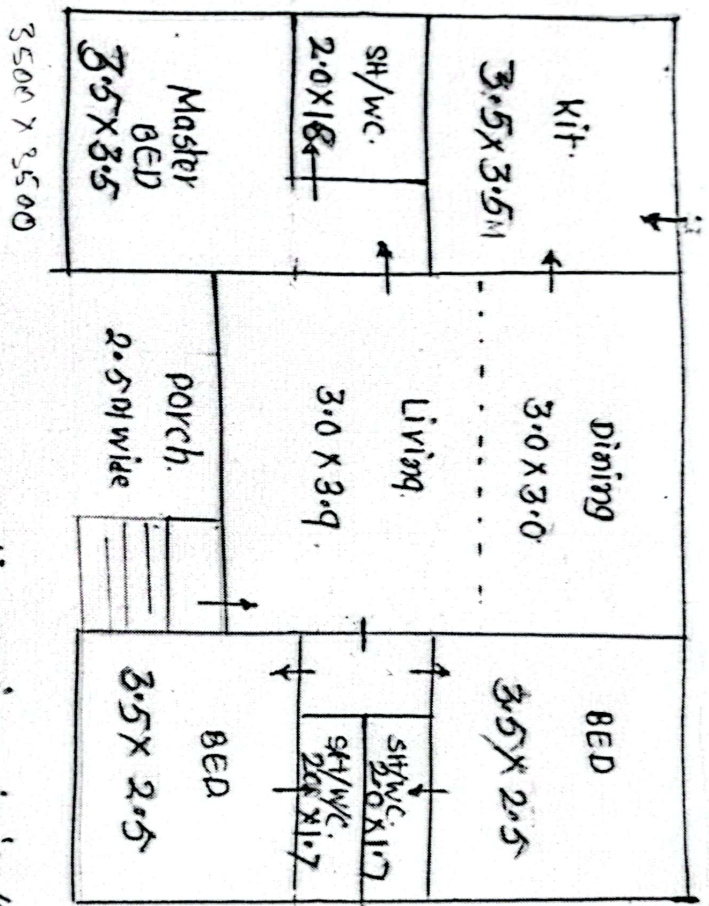


FIG. NO. ②

NOT TO SCALE



All dimensions in meter

Fig. No. 1

- * Assume all wall thk. 0.3m
- * Assume window positions
- * NOT TO SCALE
- * ASSUME SUITABLE DATA
- * → shows entry doors.

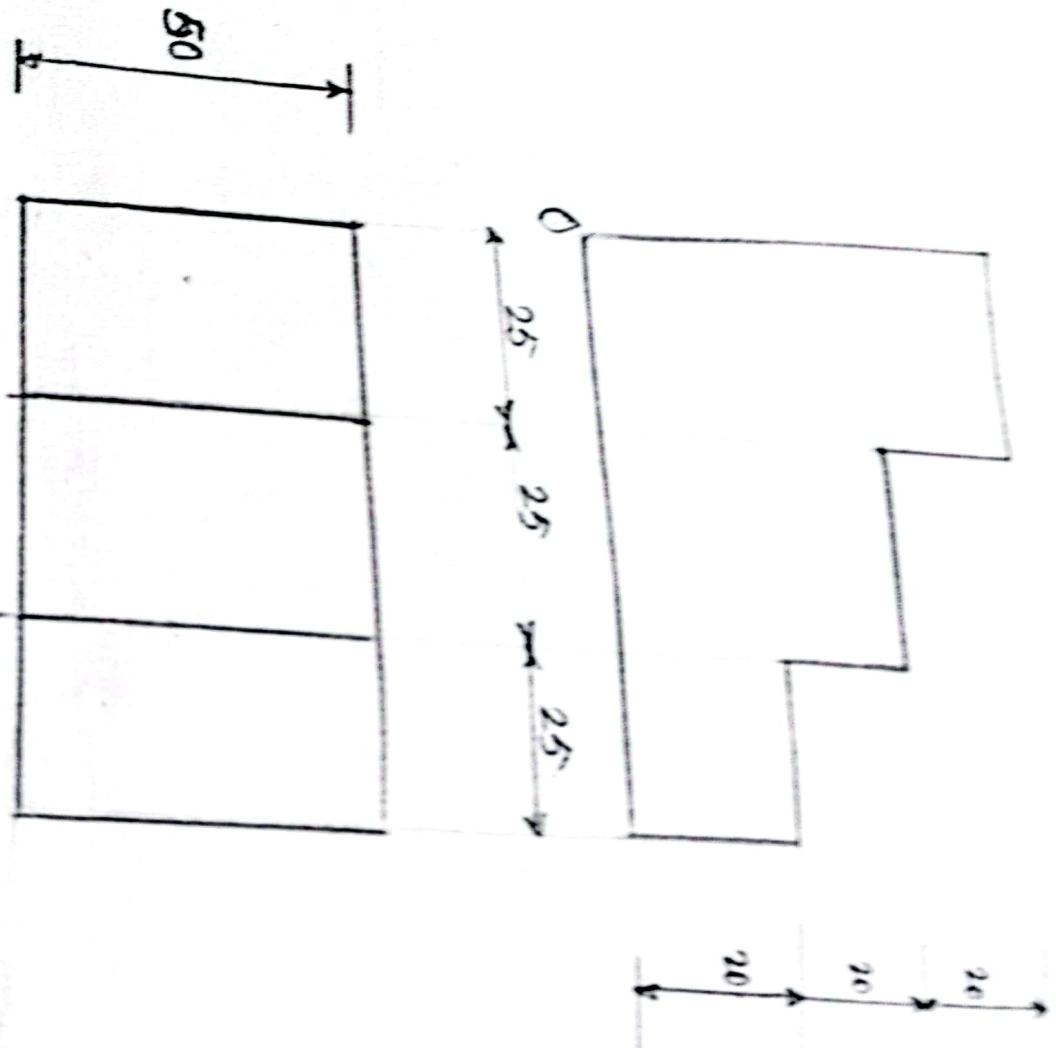


Fig. No. 3

NOTE - Fig drawn not to scale.

INDIAN TECHNICAL EDUCATION SOCIETY
SESSIONAL EXAMINATION
AUG. – 2024

date:- 09/08/2024

Time: - 01:00 PM TO 03:00 PM
 Marks: 100

CD – II / AD – II

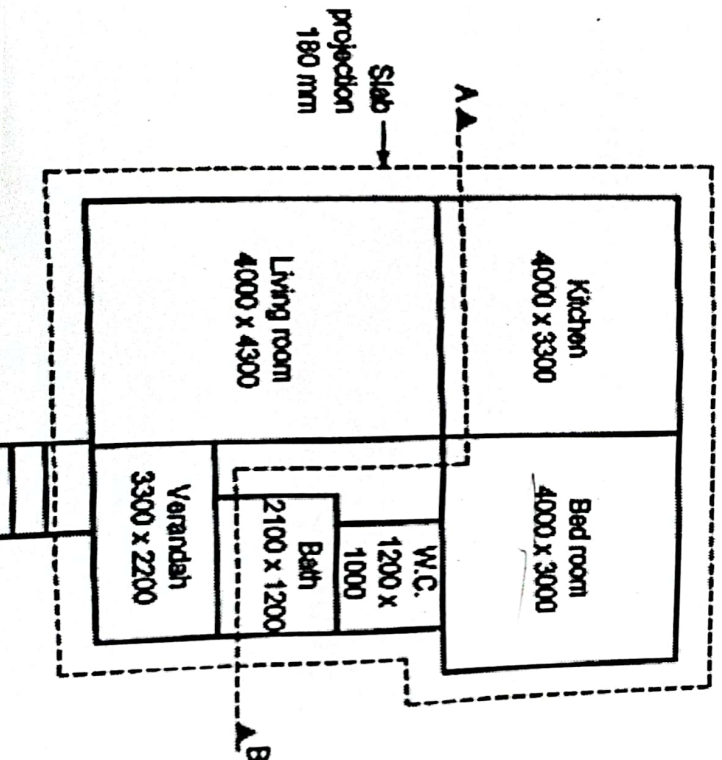
e: 1. All Q. is compulsory.

1) Fig. no. 1 shows a line plan of residential building. Draw to the scale of 1:50 the following views. Show all dimensions and label the parts.

- a) Developed Plan (2C)
- b) Elevation (1C)

Use the following construction note :

- (a) Depth of foundation 1000 mm below GL.
- (b) Plinth height 600 mm.
- (c) Height of bottom of slab from floor 3100 mm.
- (d) Thickness of slab 150 mm.
- (e) Assume chajja projections 750 mm.
- (f) Super structure B.B. masonry with all walls 300 mm thick and internal walls bath an C 100 mm thick. Assume suitable data if required.



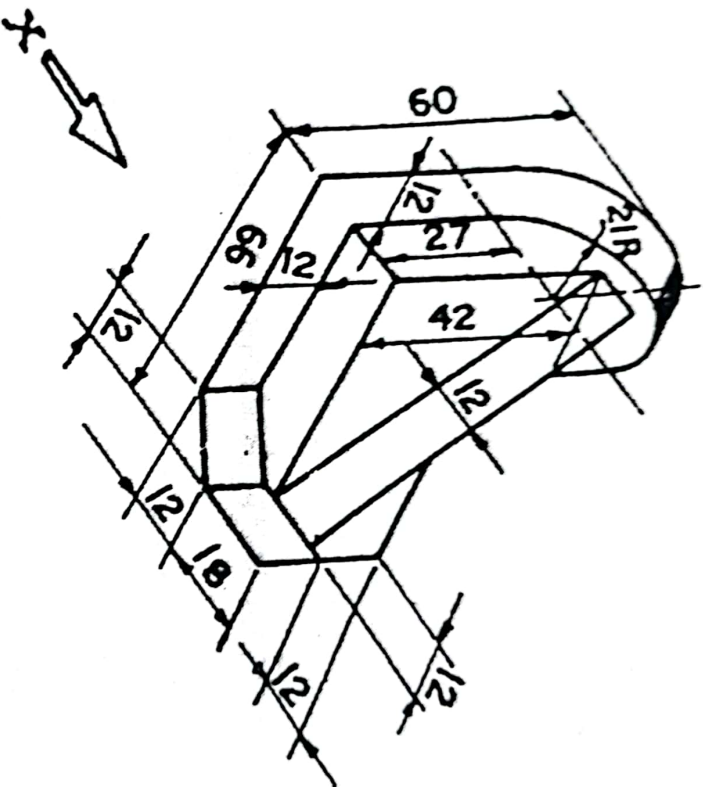
1:50

$$\frac{5000}{300} = \frac{1000}{300}$$

Bed room
~~4000 x 3000~~
 2000 x 3000
 1:50

300
 1:50
 600

- 2) Draw a labelled sketch of R.C.C. Column Footing.
- 3) Draw a line plan to scale 1:50 for a proposed single storeyed Bank Building.
- 4) Draw to scale full size Top View and Front by First Angle method Projection.

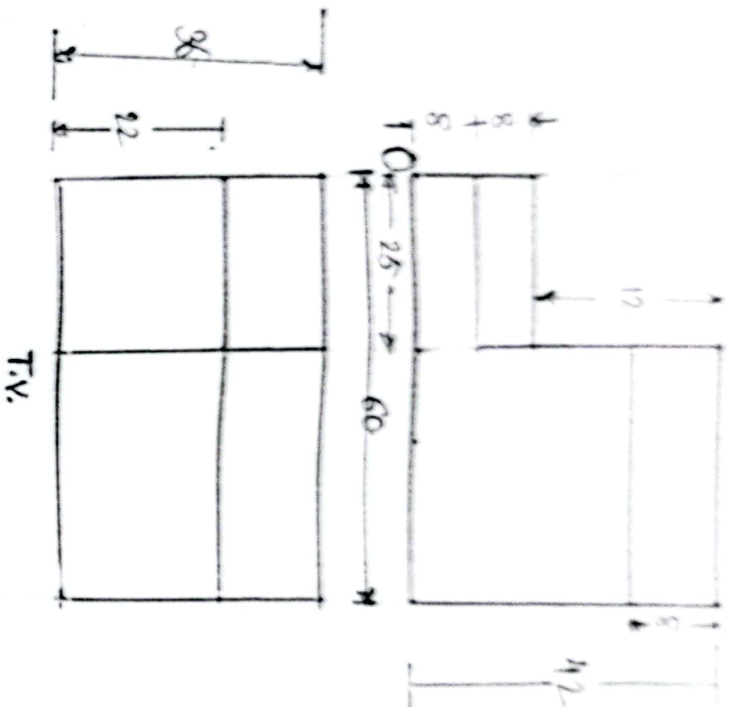


(All dimensions are in mm)

Fig. no. 2

5) Draw conventional symbols for :

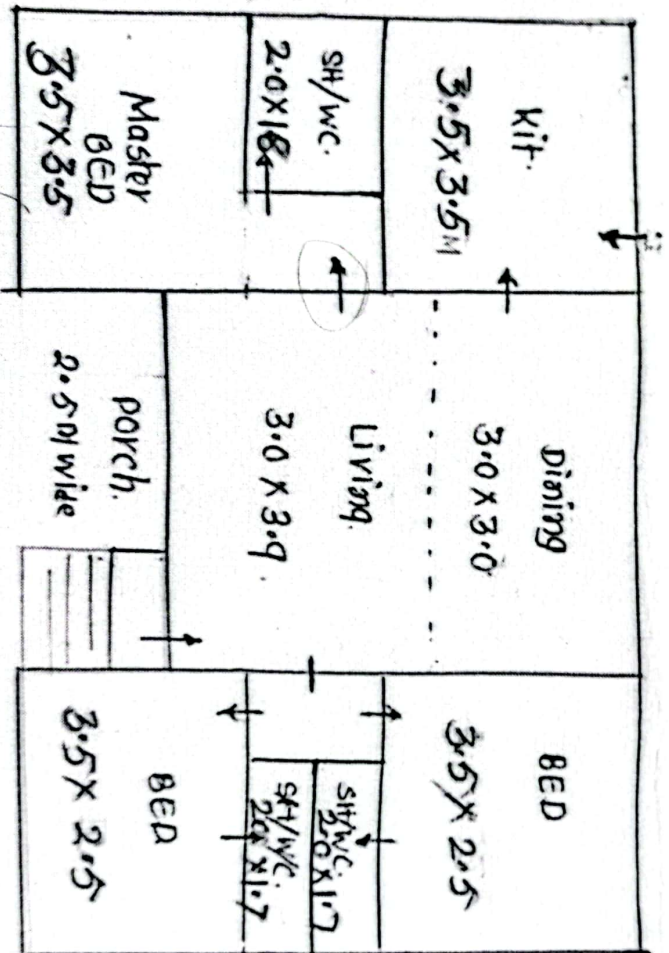
- a) Brick Masonry
- b) Concrete
- c) Timber
- d) Ceiling fan
- e) Kitchen Sink



T.V.

FIG. NO. ②

NOT TO SCALE.



All dimensions in meter

Fig. No. 1

- * Assume all wall thk. 0.3m
- * Assume window positions

- * NOT TO SCALE
- * ASSUME SUITABLE DATA
- * → shows entry doors.

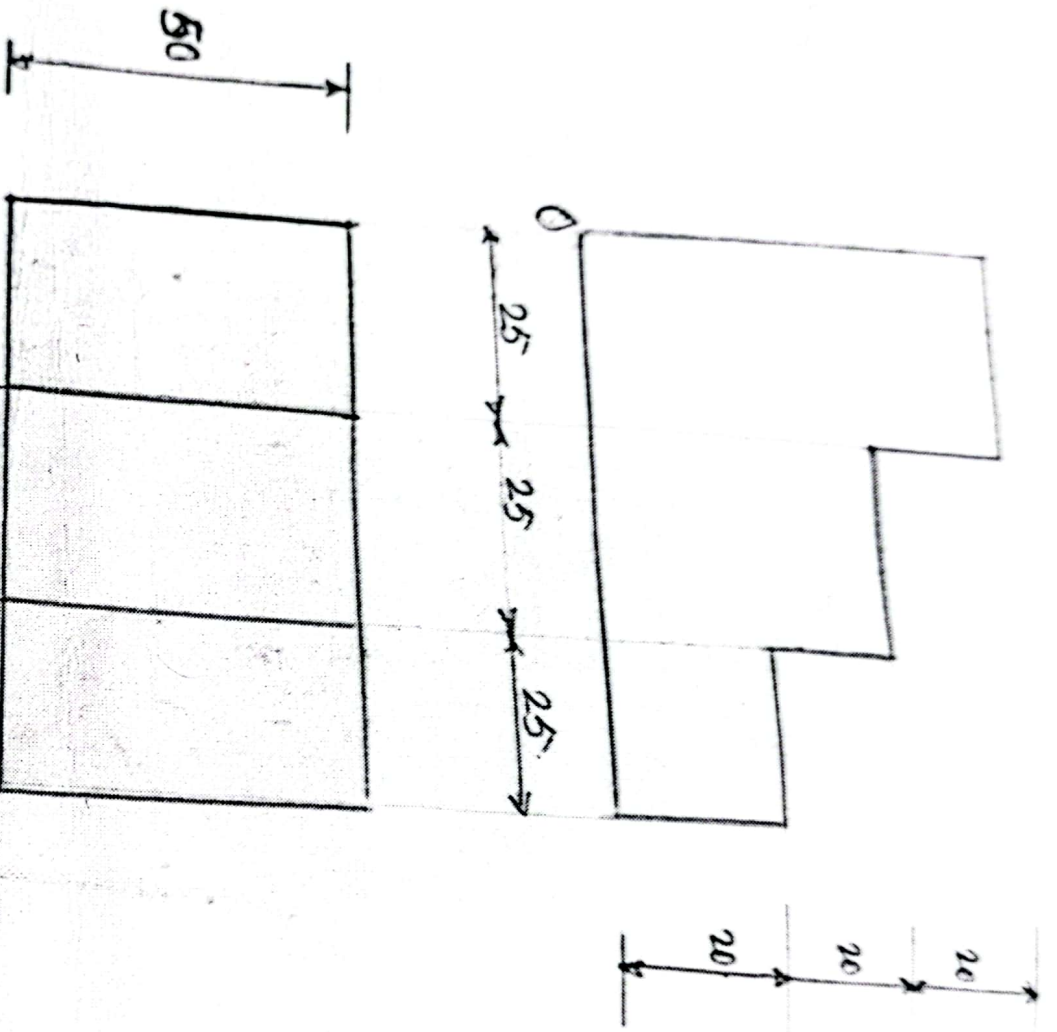


Fig. No. 3

NOTE - Fig drawn not to scale.

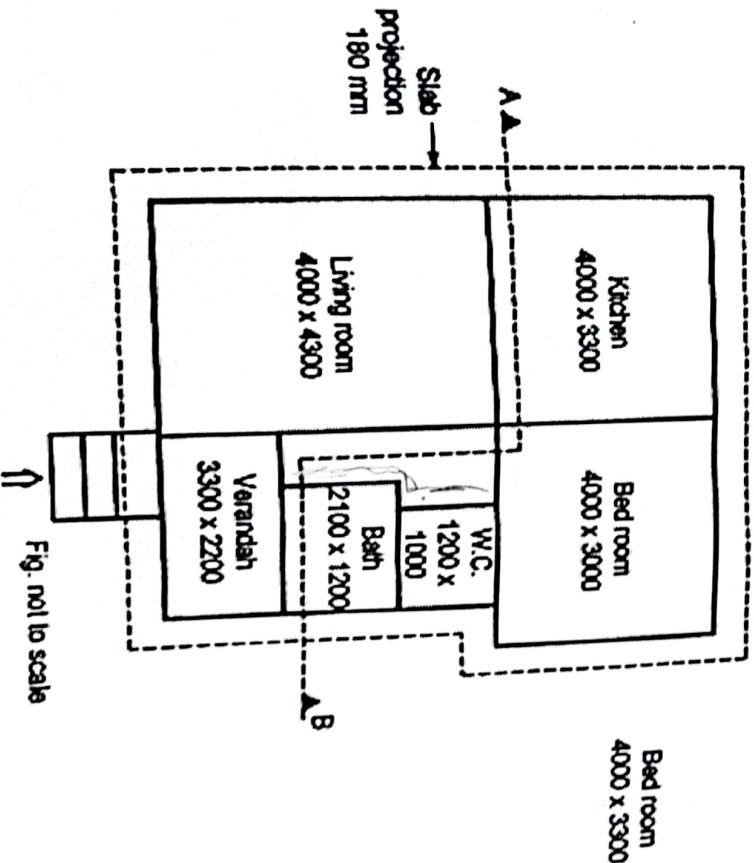
1. All Q. is compulsory.

1) Fig. no. 1 shows a line plan of residential building. Draw to the scale of 1:50 the following views. Show all dimensions and label the parts.

- a) Developed Plan (20)
- b) Elevation (15)

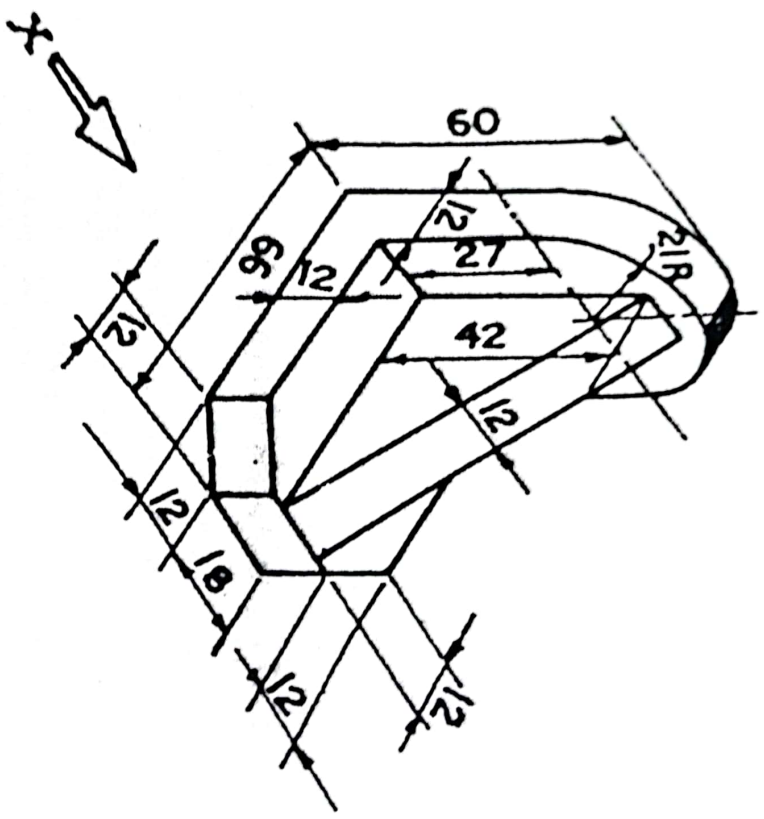
Use the following construction note :

- (a) Depth of foundation 1000 mm below GL.
- (b) Plinth height 600 mm.
- (c) Height of bottom of slab from floor 3100 mm.
- (d) Thickness of slab 150 mm.
- (e) Assume chajja projections 750 mm.
- (f) Super structure B.B. masonry with all walls 300 mm thick and internal walls bath and C 100 mm thick. Assume suitable data if required.



(All dimensions are in mm)

- 2) Draw a labelled sketch of R.C.C. Column Footing.
- 3) Draw a line plan to scale 1:50 for a proposed single storey Bank Building.
- 4) Draw to scale full size Top View and Front by First Angle method Projection.



(All dimensions are in mm)

Fig. no. 2

5) Draw conventional symbols for :

- a) Brick Masonry
- b) Concrete
- c) Timber
- d) Ceiling fan
- e) Kitchen Sink

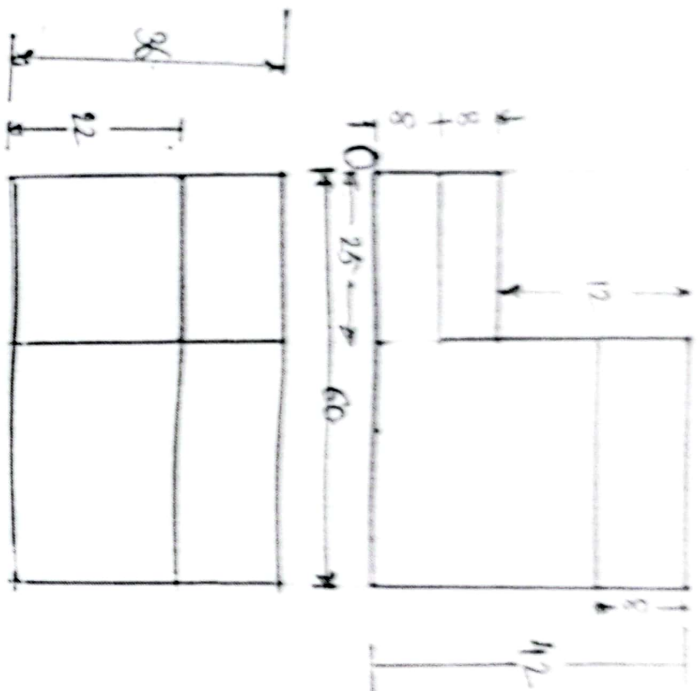
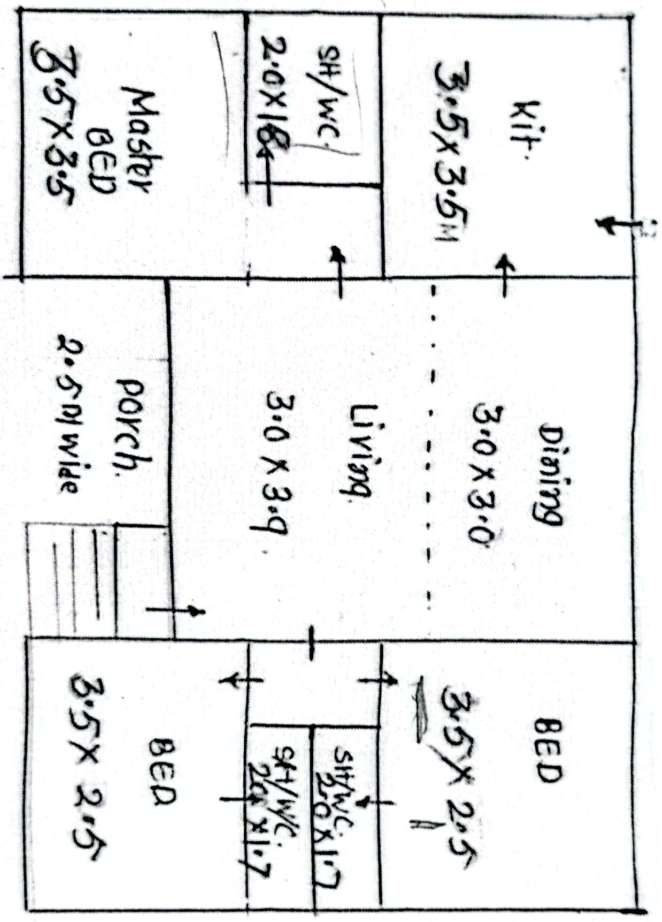


FIG. NO. ②

NOT TO SCALE



All dimensions in meter

Fig. NO. 1

- * Assume all wall thickness 0.3m
- * Assume window positions
- * NOT TO SCALE
- * ASSUME SUITABLE DATA
- * → shows entry doors.

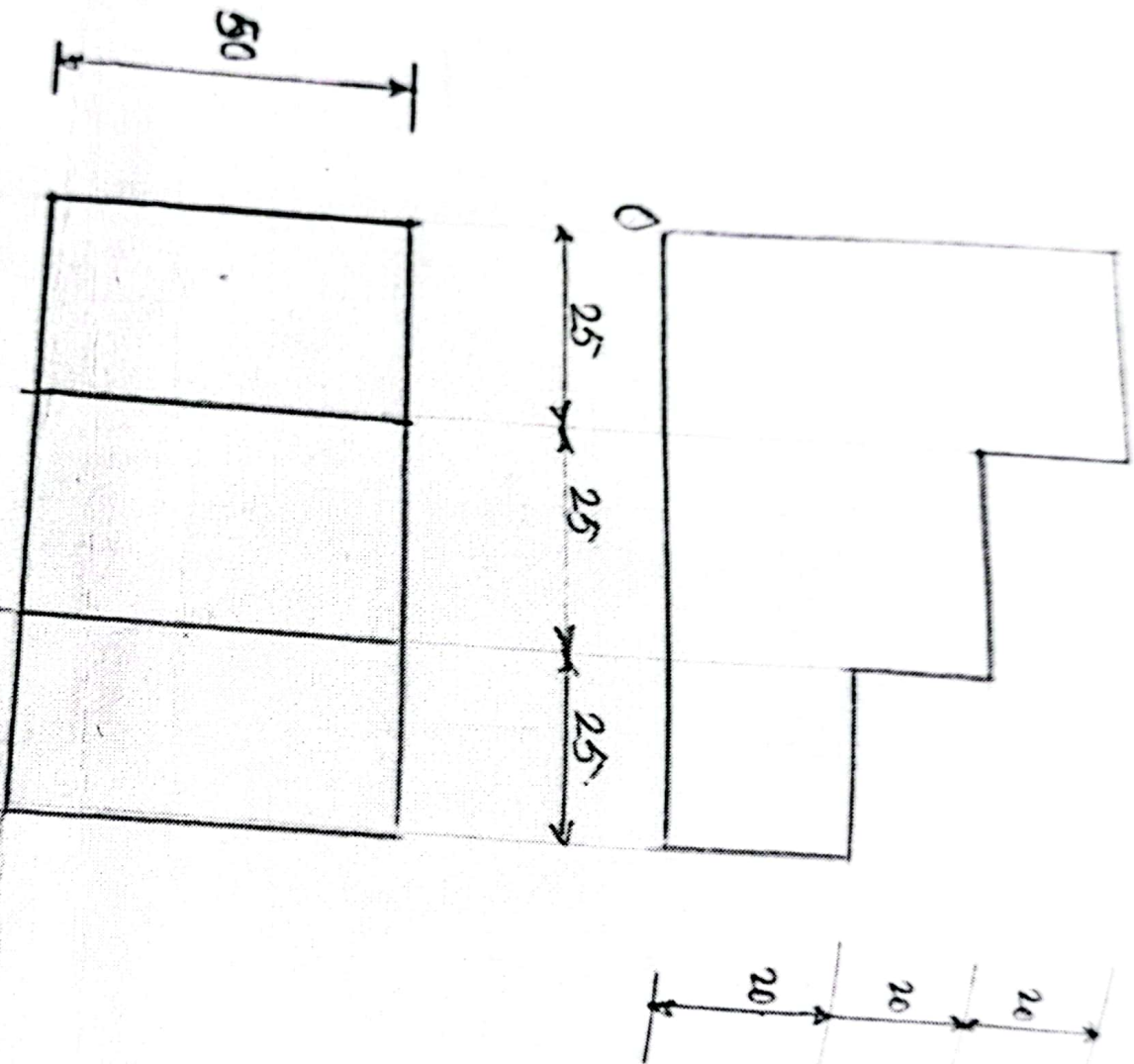
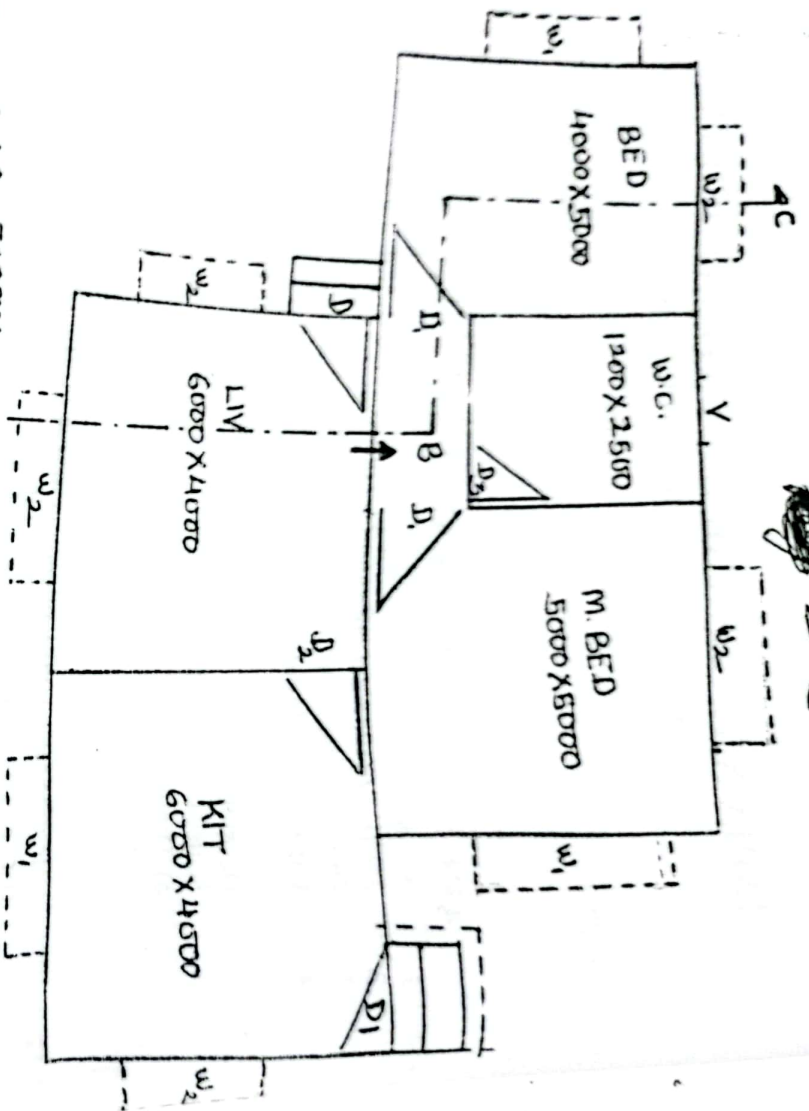


Fig. No. 3
NOTE - Fig drawn not to scale.

Q. No. 1

18/08/2015



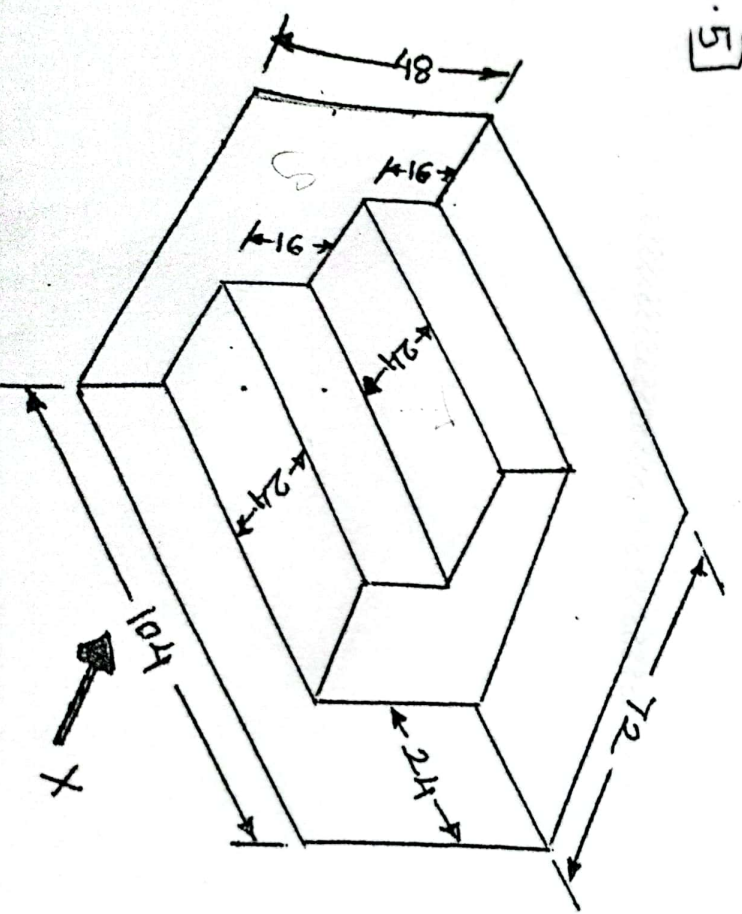
DATA - ALL WALLS - 300MM
 PLINTH - 900MM
 FLOOR HEIGHT - 3300MM

FIG. NO. 1

SCHEDULE
 $D = 1200 \times 2100 \text{ MM}$ $w_1 = 15$
 $D_1 = 1000 \times 2100 \text{ MM}$ $w_2 = 12$
 $D_2 = 900 \times 1800 \text{ MM}$ $w_3 = 6$
 $D_3 = 750 \times 1800 \text{ MM}$

FIG. NO. 2

No. 5



NOTE :-
 1) ALL DIMENSION
 2) FIG. NOT TO S

DATE: 16/08

- Note : 1.
 2.
 3.
 4.
- Q. 1 A.
 B)
 Q. 2
 Q. 3 A.

INDIAN TECHNICAL EDUCATION SOCIETY
SESSIONAL EXAMINATION

Nilima (file)

AUGUST - 2015.

DATE: 16/08/2015

TIME: 2.00AM TO 5.00PM

MARKS :100

ARCHITECTURE DRAUGHTSMAN - IV | AD - IV |

Note : 1. All Questions are compulsory.
2. Figures to the right indicates full marks.
3. Draw neat diagram wherever necessary.
4. Assume suitable data wherever necessary

- Q. 1 A) Develop the given line plan with scale 1 : 100 (Fig. No. 1)
Draw plan with all details. (30)
B) Elevation (20)
- Q. 2 Draw centre line plan of above drawing (Fig. No. 1) with 1 : 100 scale. (20)
- Q. 3 A) Draw a line plan of a Theater building and show all the details of
construction and planning scale 1 : 200. (10)
B) Draw reinforcement details of R.C.C. floor beam and slab. (10)
C) Write with double stroke lettering with height of 1.5 cm. (10)

“WORK IS WORKSHIP”.

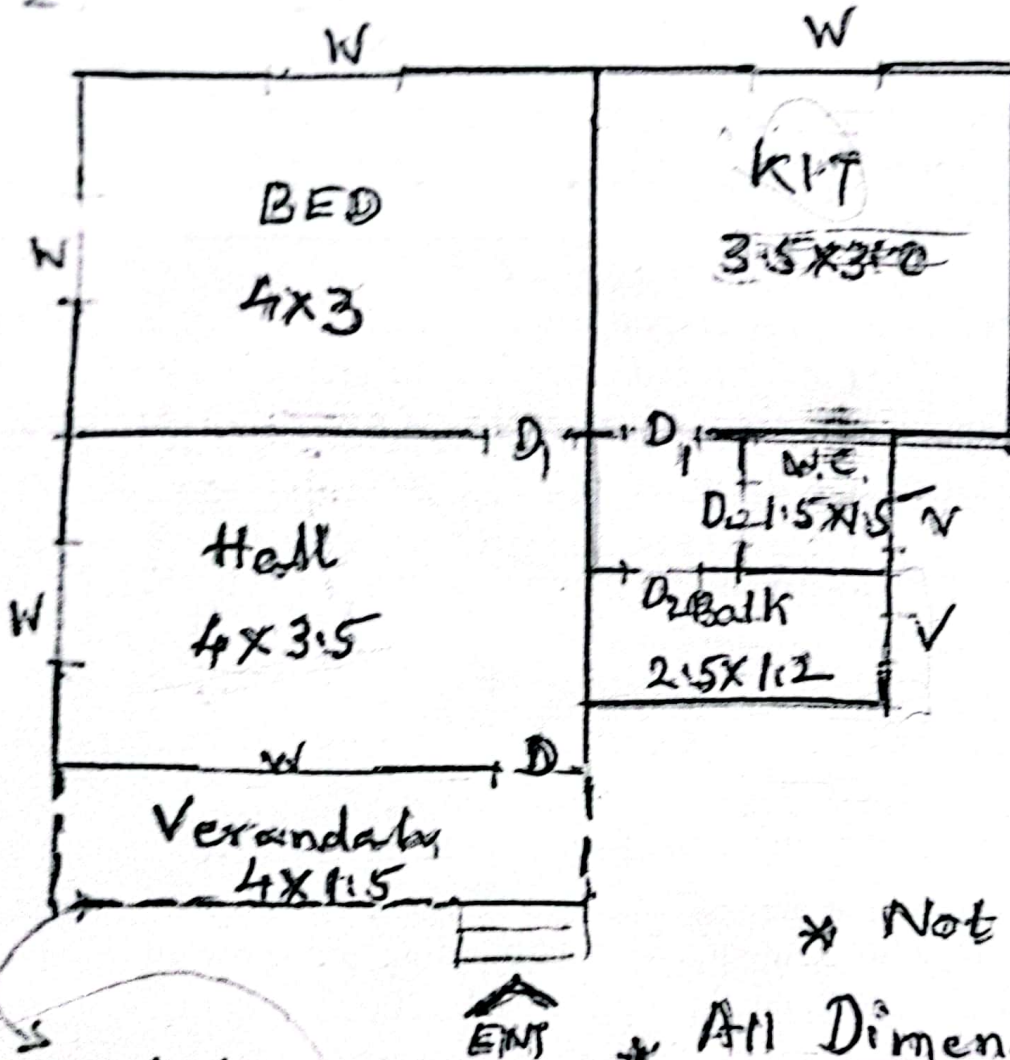
@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@

7

LEADERSHIP SOCIETY
EXAMINATION

AD
Aug

Q 1
fig. No. 1



* Not to scale

* All Dimensions are

All walls are 200mm