SESSIONAL EXAMINATION
AUG. – 2024

te:- 09/08/2024

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

CD – II / AD –II

te: 1. All Q. is compulsory.

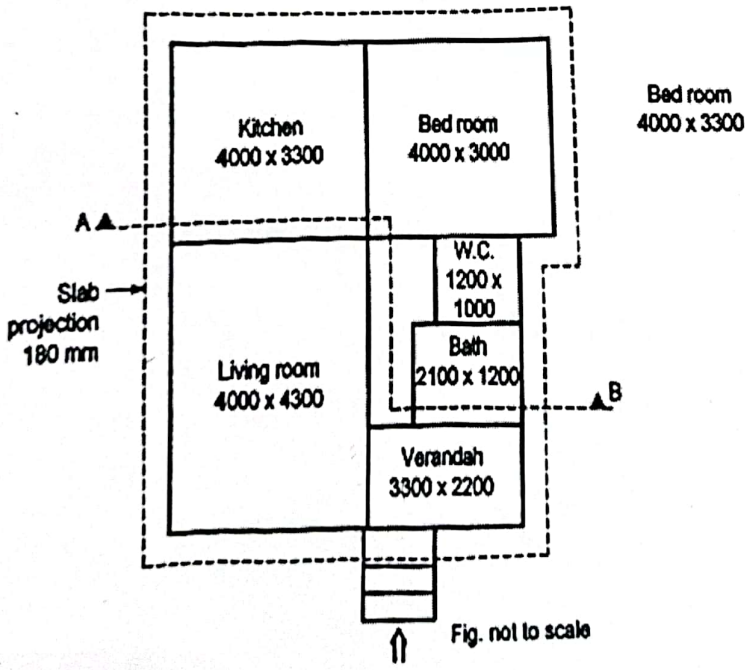
1) Fig. no. 1 shows a line plan of residential building. Draw to the scale of 1:50 the following views. Show all dimensions and label the parts.

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. masonary with all walls 300 mm thick and internal walls bath and C 100 mm thick. Assume suitable data if required.



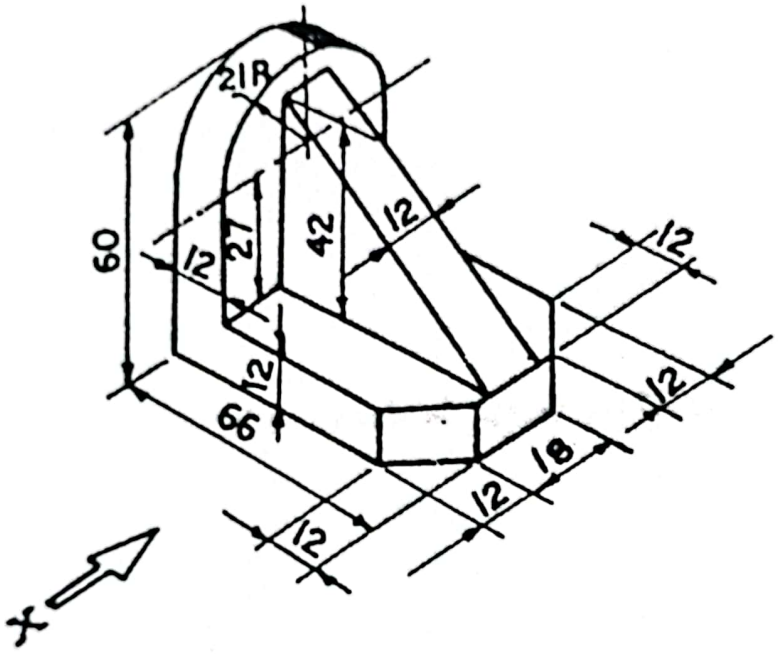
(All dimensions are in mm)

Fig. no. 1

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

-A

INDIAN TECHNICAL EDUCATION SOCIETY
SESSIONAL EXAMINATION
APRIL / MAY - 2009
AS PER NEW SYLLABUS

ate : 05/05/2009 Time : 10.00AM TO 1.00PM

Marks : 100

CIVIL DRAUGHTSMAN – II
[CD – II / AD – II / DCE – II / ADCES – II]

ote : 1. All questions are compulsory.
2. Figures to the right indicates full marks.
3. Assume suitable data wherever necessary.
4. Dimension should be clearly marked.
5. Draw neat diagram wherever necessary.

Q. 1 Develop the given plan of small house by assuming additional data if necessary. Use scale – 1:100 (Ref Figure No. 2)

Draw a) Plan **(15)**
b) Elevation **(10)**
c) Section AA **(15)**

Q. 2 A) Draw a neat sketch of Dog legged staircase. **(5)**
B) R.C.C. Columm **(5)**

Q. 3 **Draw neat labeled sketch for the following. (Any Two)** **(20)**
a) T.W. Glazes window
b) R.C.C. Footing
c) King Post Truss

Q. 4 Draw plan, Elevation, side elevation of the Isometric block given fig. No.1 **(20)**

Q. 5 **Draw the conventional Symbol of the following.** **(10)**
1. Stone 2. Temple 3. E.W.C. 4. Brick Masonar
5. Two way switch 6. River 7. Earth

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CIVIL DRAUGHTSMAN

Feh

INDIAN TECHNICAL EDUCATION SOCIETY
SESSIONAL EXAMINATION
FEB. – 2014

Date :16/02/2014

Time :10.00AM TO 2.00PM
Marks : 100

CIVIL DRAUGHTSMAN
[CD-II / DCES – II]

Note : 1. *All Questions are compulsory.*
2 *Figures to the right indicate full marks.*
3. *Question paper in English will be treated as standard*
4. *Draw neat diagrams wherever necessary.*
5. *Assume suitable data wherever necessary.*

Q.1 **Develop the given line plan by assuming additional data if necessary. (Refer fig. No.1), Use scale 1 : 100**

a) Draw plan showing all details. **(15)**
b) Draw front elevation. **(10)**
c) Draw section A-A **(15)**

Q.2 **Draw neat labeled sketches of the following: (Any Two)** **(20)**

a) Collapsible steel door
b) Doglegged stairs
c) R.C.C. column with – square footing.
d) One way pipe system

Q.3 **A) Draw conventional symbols: (Any Five)** **(05)**

a) Ceiling fan b) Earth c) Glass d) Brick masonry.
e) Indian W.C. f) Concrete g) Socket h) Bath tub.

B) Sketch the following: (Any One) **(05)**

a) Dormer window
b) Queen roof truss

Q.4 **Draw top view, front view, side elevation of the given object.** **(30)**
(Refer fig. No. 2), Use scale (1:100)

OR

Q.4 **Solve the following:** **(30)**

a) Divide a line 'PQ' of 1150 MM into 6 equal parts.
b) Construct a parabola, when the distance of the distance of the focus from the directory is 50 mm.
c) Draw to the scale 1 : 10 a circle of 1.50 meter, 3.50 meter.
d) Draw the following in single stroke vertical lettering in proper proportion & scale.
'CIVIL ENGINEERING DRAWING'
e)Draw a section of compound wall 23 mm thick B B wall, 1.2 meter high with necessary Foundation, coping at top scale 1:50.

INDIAN TECHNICAL EDUCATION SOCIETY
SESSIONAL EXAMINATION
APRIL / MAY - 2011
AS PER NEW SYLLABUS

Date : 05/05/2011 Time : 10.00AM TO 2.00PM
Marks : 100

CIVIL DRAUGHTSMAN – II
[CD – II / AD – II / DCE – II / ADCES – II]

Note : 1. All questions are compulsory.
2. Figures to the right indicates full marks.
3. Assume suitable data wherever necessary.
4. Dimensions should be clearly marked.
5. Use A2 Drawing sheet to solve the questions.

Q. 1 Develop plan of a small house (Bunglow) **(Ref Fig. 1)**
Using 1:100 scale Draw a) Plan **(15)**
b) Elevation **(10)**
c) Section AA **(15)**
For details refer Fig. 1.

Q. 2 **Draw neat labeled sketches. (Any 2)** **(20)**
1) RCC Beam & column connection in steel structure
2) Spiral staircase (1:50) scale
3) Queen post roof truss
4) Collapsible steel door

Q. 3 A) **Draw conventional symbols. (Any 5)** **(10)**
1. Brick work 2. Stone Work 3. Nahani trap 4. Ceiling Fan
5. Plastering 6. Concrete 7. Window

B) **Draw neat sketch. (Any 1)** **(10)**
1) R.C.C. column footing 2) Corner Window

Q. 4 **Solve. (Any One)** **(20)**
1. Draw an ellipse major axis 6 cms & minor axis as 130 MM & 90 MM respectively by using concentric circle method.

2. Draw Top view & Front view of given ISO metric Drg. use 1st angle method. **(Ref. Fig. 2)**

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TES ENGINEERING & VOCATIONAL EXAMINATION BOARD
SESSIONAL EXAMINATION
APRIL / MAY - 2008
AS PER NEW SYLLABUS

te : 7/ 5/ 2008 Time : 10.00AM To 1.00PM
Marks : 100

CIVIL DRAUGHTSMAN – II
[CD – II / AD – II / DCE – II / ADCES – II]

te : 1. *All questions are compulsory.*
2. *Figures to the right indicate full marks.*
3. *Assume suitable data wherever necessary.*
4. *Dimension should be clearly marked.*
5. *Draw neat diagram wherever necessary.*

. 1. Develop the given line plan by assuming additional data if necessary.
Use Scale – 1:100 (Refer Figure No. 1)

Draw -
a] Plan [15]
b] Elevation [10]
c] Section X, X. Plinth level ht. 750mm above GL [15]
Schedule of door & windows.

D = 1.00 X 2.10m
D_1 = 1.00 X 2.00m
D_2 = 0.90 X 1.80m
W = 1.50 X 1.20m
W_1 = 1.20 X 1.20m
V = 0.60 X 0.90m

Note : -
1. All Dimensions are in mtr.
2. All wall thick 0.20 mtr.

Q. 2. A] Draw a neat sketch of Dog legged stair. [10]
B] RCC Two way slab.

Q. 3. **Draw neat Labeled sketch for the following [Any TWO]** [30]
a] Queen post roof truss.
b] R.C.C. lintel and chajja with reinforcement detail.
c] Rolling steel door.

Q. 4. Draw orthographic projection in First Angle method. (With scale as it is) [10]
(Refer Figure No. 2). Draw plan and elevation.

Q. 5. **Draw the conventional symbol of the following [Any FIVE]** [10]

1.	Temple	2.	River
3.	Concrete	4.	Glass
5.	Metal Section	6.	Stone work
7.	Exhaust fan		

CIVIL DRAUGHTSMAN (CD-T)

Feb

INDIAN TECHNICAL EDUCATION SOCIETY
SESSIONAL EXAMINATION
FEB. - 2019

Date: 17/02/2019

Time:- 2:00 PM To 6:00 PM
Marks: 100

CIVIL DRAUGHTSMAN – II (CD / AD / DCES –II)

Q1. A) Develop the given line plan (Fig No.1) use scale 1:100.

a) Draw plan showing all necessary details. **(15)**

b) Draw front Elevation. **(10)**

c) Draw the section of A – A'. **(15)**

Q2.A) Solve the following. (Any Three). (30)

a) Draw Isometric view from the given views (see – Fig No. 2) ('x' direction of front views).

b) Draw the symbols of.

a) Stair.	f) Ground floor
b) Wood.	g) Glass
c) Bath tub.	h) One way slab
d) Door.	i) RCC
e) Exhaust fan.	j) Block masonry

c) Draw a neat sketch of queen post roof truss.

d) Explain the plumbing accessories with plumbing symbols.

Q3.A) Draw neat labeled sketches. (Any Three). (30)

a) R.C.C. dog legged staircase.
b) Lintel and chajja.
c) Column footing.
d) Battened, ledged braced door.

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INDIAN TECHNICAL EDUCATION SOCIETY
SESSIONAL EXAMINATION
APRIL/MAY - 2018

Date :04/05/2018 | Time:- 9.30AM TO 01.30PM
Marks: 100

CIVIL DRAUGHTSMAN – II (CD / AD / DCES –II)

Q1. A) Develop the given line plan (Fig No.1) use scale 1:100.

a) Draw plan showing all necessary details. (15)

b) Draw front Elevation. (10)

c) Draw the section of A – A'. (15)

Q2.A) Solve the following. (Any Three). (30)

a) Draw Isometric view from the given views (see – Fig No. 2) ('x' direction of front views).

b) Draw the symbols of.

a) Stair.
b) Wood.
c) Bath tub.
d) Door.
e) Exhaust fan.
f) Ground floor
g) Glass
h) One way slab
i) RCC
j) Block masonry

c) Draw a neat sketch of queen post roof truss.

d) Explain the plumbing accessories with plumbing symbols.

Q3.A) Draw neat labelled sketches. (Any Three). (30)

a) R.C.C. dog legged staircase.
b) Lintel and chajja.
c) Column footing.
d) Battened, ledged braced door.

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INDIAN TECHNICAL EDUCATION SOCIETY
SESSIONAL EXAMINATION
FEBRUARY – 2009
AS PER NEW SYLLABUS

Date : 15/02/2009 Time : 10.00AM TO 1.00PM
Marks : 100

CIVIL DRAUGHTSMAN – II
[CD – II / AD – II / DCE – II / ADCES – II]

Note : 1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Assume suitable data wherever necessary.
4. Dimension should be clearly marked.
5. Draw neat diagram wherever necessary.

Q.1. **Develop the given line plan by assuming additional data if necessary.**
Use Scale – 1:50 (Refer Fig. No. 1)
A] Plan [15]
B] Elevation [10]
C] Section AB. Plinth level ht 900mm above G.L. [15]

Schedule of door & windows.
D = 1.00 X 2.10m
D1 = 0.90 X 2.10m
D2 = 0.75 X 1.80m
W = 1.50 X 1.20m
W1 = 1.20 X 1.20m
V = 0.45 X 0.90m

Note : - 1. All dimensions are in mtr.
2. All wall thick 0.20mtr.

Q. 2. A] Draw a neat sketch of Queen Post Roof Truss. [1
B] R.C.C. column footing.

Q. 3. **Draw neat labeled sketch for the following. [Any TWO]** [3
A] Lean to roof.
B] Framed and Paneled door.
C] Reinforced concrete stairs.

Q.4. **Draw the conventional symbol of the following. [Any FIVE]** [
1. Brick work 2. Earth 3. Metal section
4. Shower head 5. Stair 6. Plaster work

Q. 5. A] Draw various types of Line.
B] Draw symbols of Ist and IIIrd Angle method of projection.

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ITES ENGINEERING & VOCATIONAL EXAMINATION BOARD
SESSIONAL EXAMINATION
APRIL / MAY - 2008
AS PER NEW SYLLABUS

Date : 6/ 5/ 2008

Time : 10.00AM To 1.00PM
Marks : 100

CIVIL DRAUGHTSMAN – I
[CD – I / AD – I / DCE – I / ADCES – I]

Note : 1. Q. No. 1 is compulsory.
2. Solve any FOUR questions from the remaining Q. No. 2 to Q. No. 6.
3. Figure to the right indicates full marks.
4. Assume suitable data wherever necessary.
5. Draw neat diagram wherever necessary.

Q. 1. A] **Fill in the blanks.** [10]

1. In area where very heavy raintfall is expected _____ type of roof is preferred.
2. To support the brick work above any window _____ is used as a horizontal member.
3. In Dancing theaters _____ floor is preferred.
4. In Black muddy soil _____ type of foundation use.
5. Now days in construction industry _____ is a binding material used instead of Lime.
6. Sea sand & _____ sand are the types of sand.
7. _____ is avoided by providing Queen Closer.
8. U.C.R. masonry means _____
9. In soft murum _____ type of foundation is generally adopted.
10. In P.C.C. _____ is not used.

B] **Match the following.** [5]

"A"		"B"
1. Scaffolding	a]	Strong Brick Wall
2. English bond	b]	Temporary platform
3. Pile foundation	c]	Roof
4. Manglore Tiles	d]	Black cotton soil
5. Mortor	e]	R.C.C.
	f]	Plastering

C] **True or False.** [5]

1. Damp proofing course is provided on Terrace.
2. Foundation is the upper most part of structure.
3. Rivets are driven with the help of Screw Driver.
4. To carry water (drinking) plumbing is installed.
5. The unit of square meter is MT^2.

Q. 2. **Answer the following [Any FOUR]** [20]

1. Classify structure and Write in brief about all.
2. Write short note on "Sand".
3. Write ideal properties of "brick".
4. Enlist types of Scaffolding .
5. Write a short note on "Foundation".

Contd...2.....

Q. 3. **Write short note on [Any FOUR]**

1. Cement 2. English Bond 3. Arches
4. R.C.C. 5. Rolled steel section

Q. 4. A] Discuss the prevention of Dampness along with the causes of Dampness.

B] Describe the Grades of concrete. Also explain workability of concrete.

C] **Write the formulas for the following.**

1. Area of parallelogram 2. Area of Rhombus
3. Volume of Rectangular bar 4. Triangle [Area]

Q. 5. **Differentiate between [Any FOUR]**

1. P.C.C. & R.C.C. 2. Pitched Roof & Flat Roof
3. Arches & Lintels 4. Ashalaw Masonry & R.R. Masonry
5. English Bond and Flemish Bond

Q. 6. A] Explain a Idea! House Drainage system.

B] Draw a neat sketch of connection between steel column and beam in RCC structural work.

C] Draw a neat sketch of R.C.C. slab & Floor beam showing detail reinforcement in it. (Draw section)

D] Define a staircase & state types of stairs.

ITES ENGINEERING & VOCATIONAL EXAMINATION BOARD
SESSIONAL EXAMINATION
APRIL / MAY - 2008
AS PER NEW SYLLABUS

ate : 7/ 5/ 2008 Time : 10.00AM To 1.00PM
Marks : 100

CIVIL DRAUGHTSMAN – II
[CD – II / AD – II / DCE – II / ADCES – II]

ote : 1. *All questions are compulsory.*
2. *Figures to the right indicate full marks.*
3. *Assume suitable data wherever necessary.*
4. *Dimension should be clearly marked.*
5. *Draw neat diagram wherever necessary.*

1. Develop the given line plan by assuming additional data if necessary.
Use Scale – 1:100 (Refer Figure No. 1)

Draw -
a] Plan [15]
b] Elevation [10]
c] Section X, X. Plinth level ht. 750mm above GL [15]
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D_1 = 1.00 X 2.00m
D_2 = 0.90 X 1.80m
W = 1.50 X 1.20m
W_1 = 1.20 X 1.20m
V = 0.60 X 0.90m

Note : -
1. All Dimensions are in mtr.
2. All wall thick 0.20 mtr.

2. A] Draw a neat sketch of Dog legged stair. [10]
B] RCC Two way slab.

3. **Draw neat Labeled sketch for the following [Any TWO]** [30]
a] Queen post roof truss.
b] R.C.C. lintel and chajja with reinforcement detail.
c] Rolling steel door.

4. Draw orthographic projection in First Angle method. (With scale as it is) [10]
(Refer Figure No. 2). Draw plan and elevation.

5. **Draw the conventional symbol of the following [Any FIVE]** [10]

1.	Temple	2.	River
3.	Concrete	4.	Glass
5.	Metal Section	6.	Stone work
7.	Exhaust fan		