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Q.1 (a)

(1)

(2)

(3)

(4)

(5)

(6)

(7)

Q-1 (b)

(1)

(2)

(3)

(4)

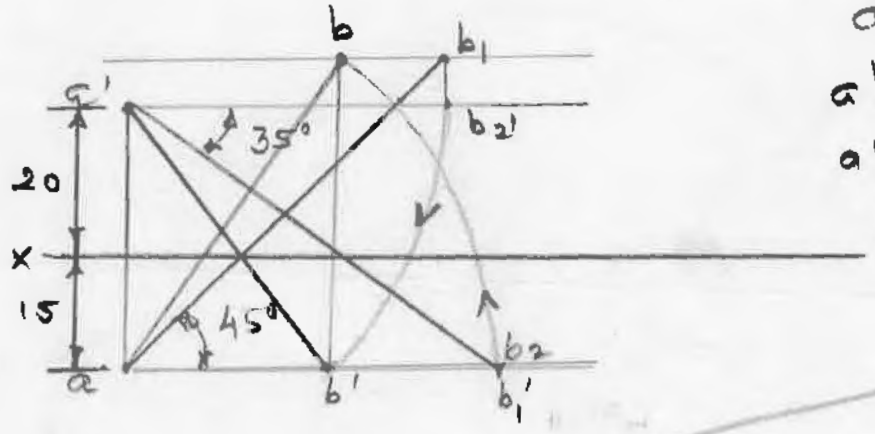
(5)

(6)

(7)

Q-2. (b) Follow rectangle method for construction of ellipse with rectangle of 65 mm x 40 mm. (4 Marks)

(c)



$ab_1 = a'b_1' = 60$ mm

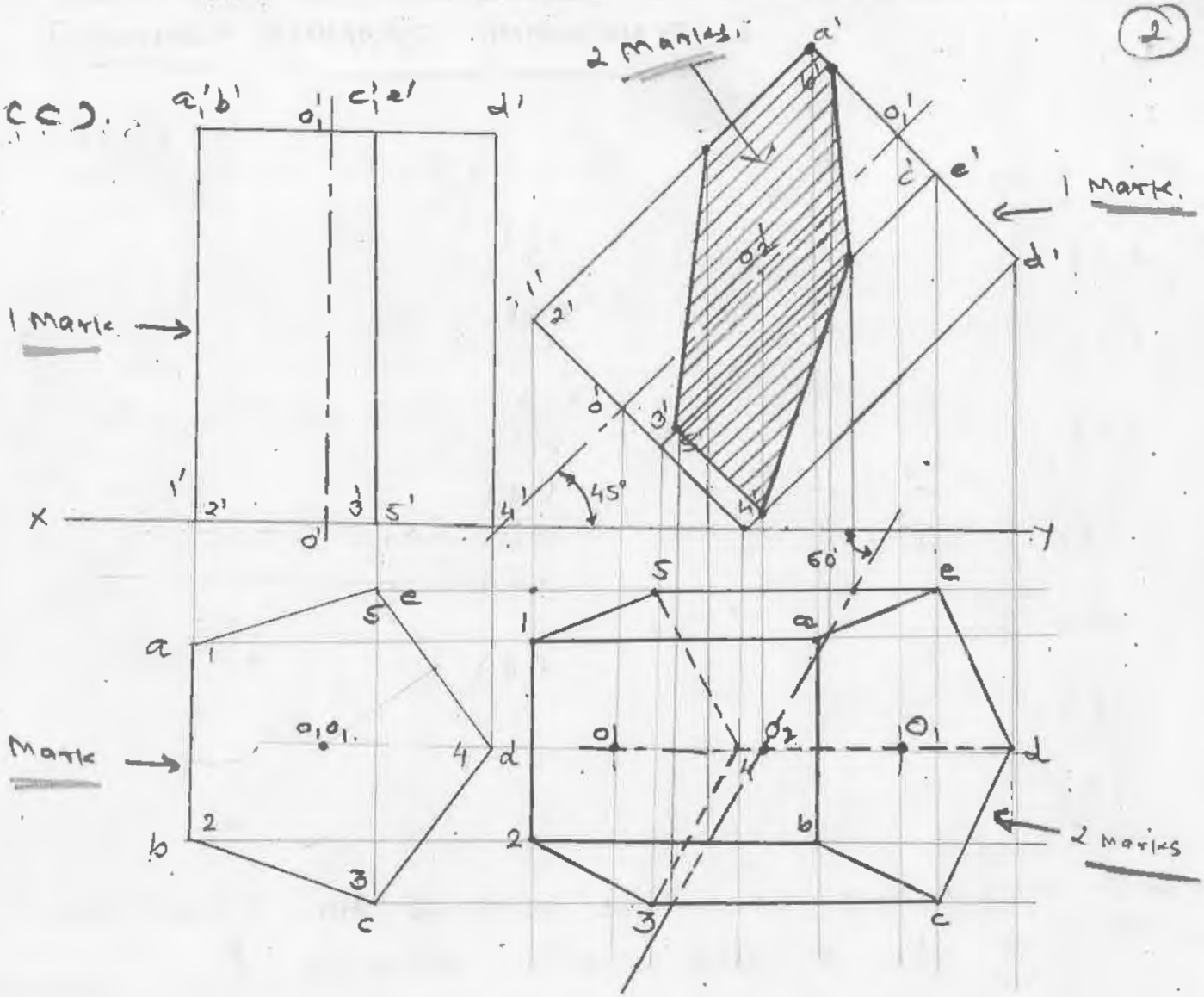
$a'b'$ = F.V.

ab = T.V.

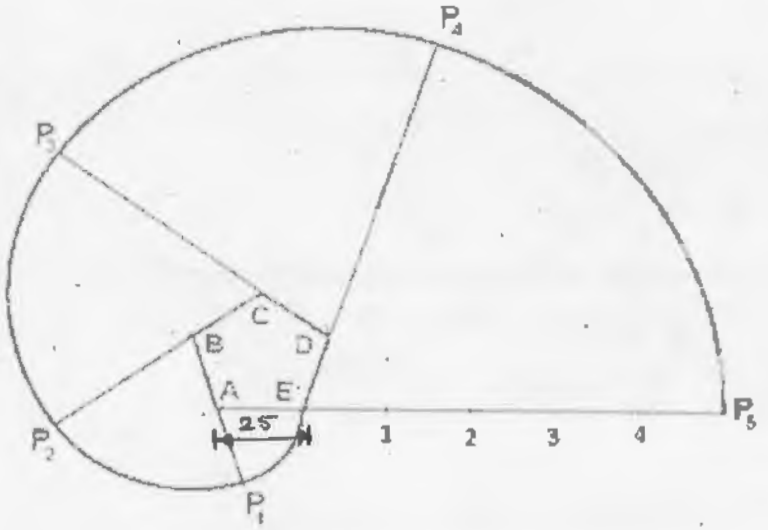
(7 Marks)

- 1 Mark for marking a' and a.
- 2 marks for construction of $a'b_1'$ and ab_1.
- 4 Marks for construction of F.V & T.V.

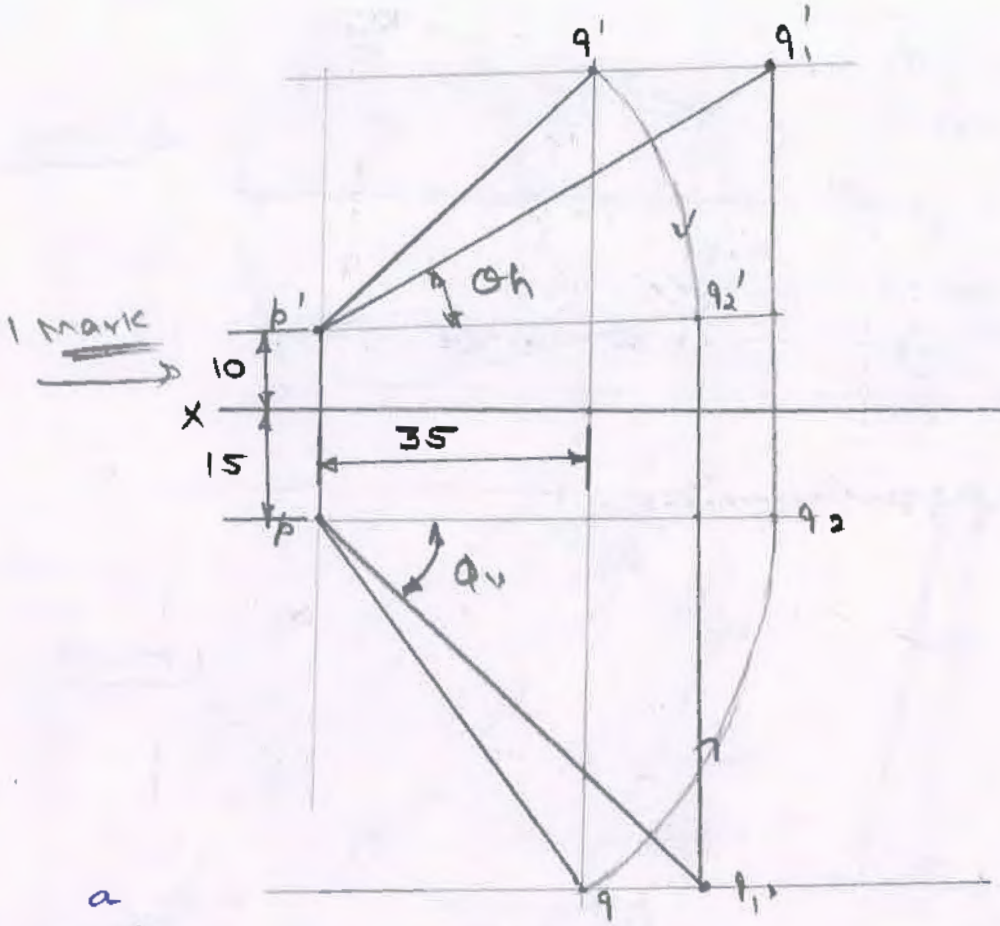
Q-3 (c).


2 Marks.
1 Mark.
1 Mark
1 Mark
2 Marks
45°
60°

Q-4 (b)


P4
P3
P2
P1
P5
A
B
C
D
E
25
1
2
3
4

Q. 4 (c)



p'q' = 50 mm. (1 Mark)

pq = 60 mm.

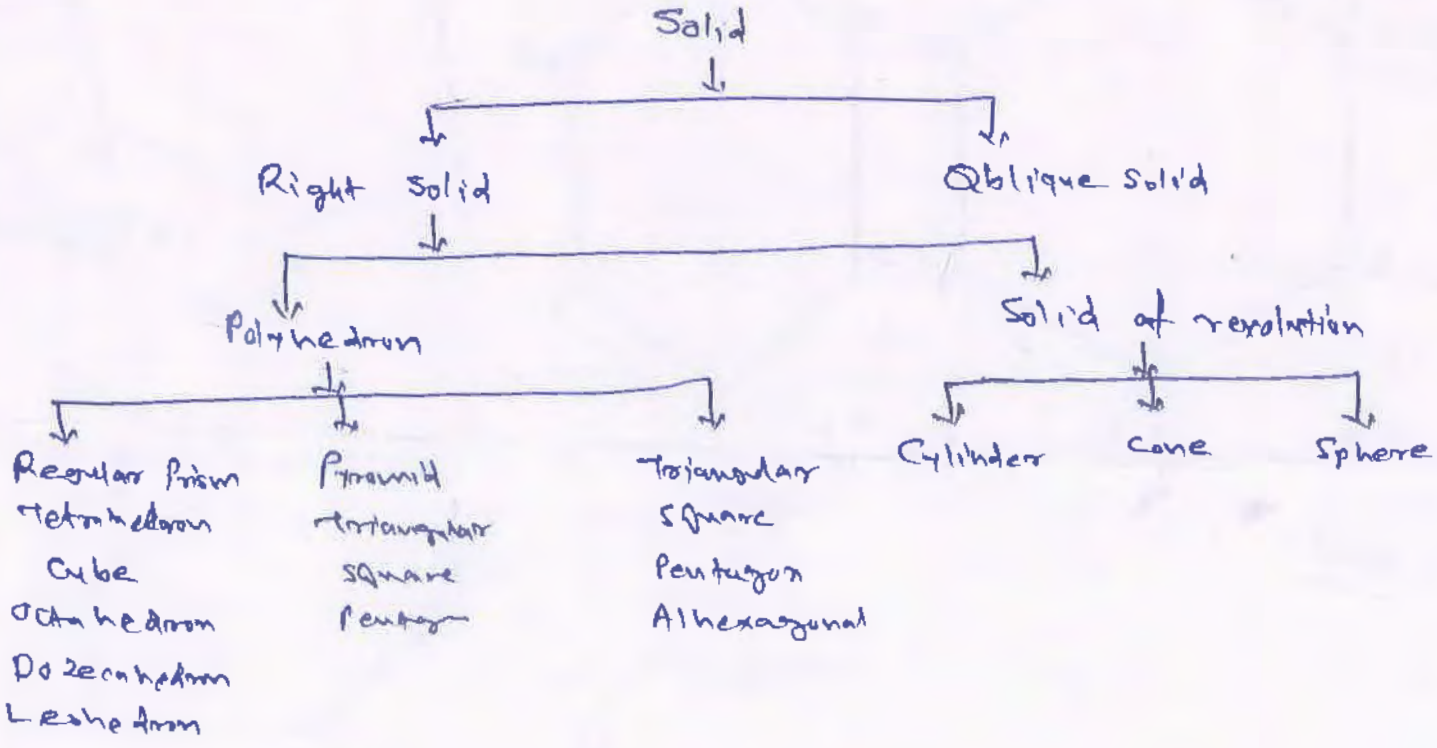
T.L ≈ 70 mm. (2 Mark)

Oh ≈ 28° (1 Mark)

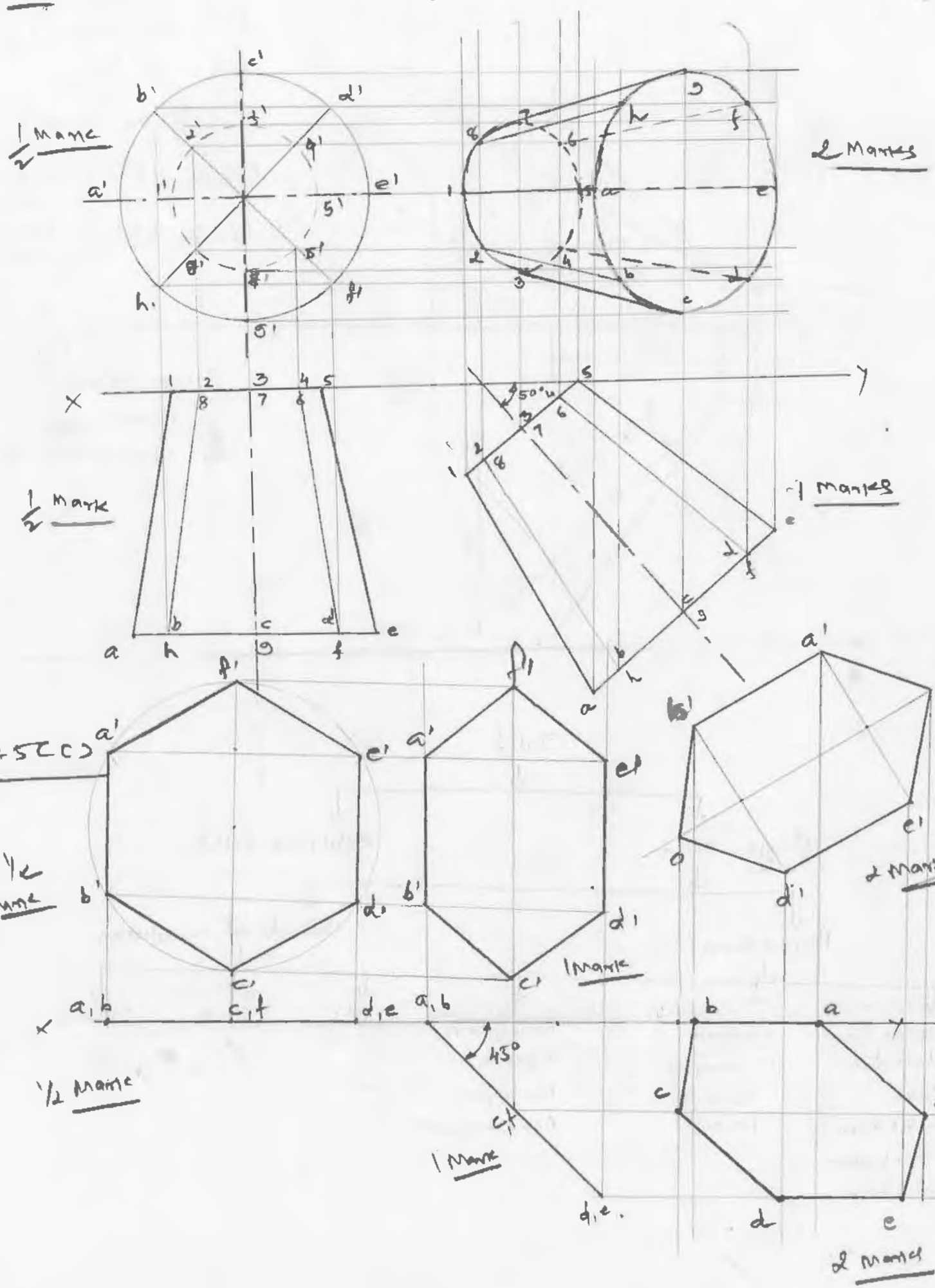
Qv ≈ 44° (1 Mark)

(Give step marking as appropriate)

Q. 5 (a)



Q-5 (b)


1 Mark
2 Marks
1/2 Mark
1 Marks
50°
1/2 Mark
1 Mark
1/2 Mark
2 Marks
45°
1 Mark
2 Marks

Q-5 (c)

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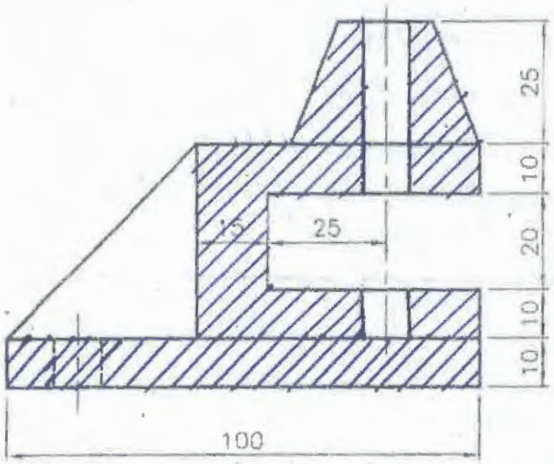
(5)

Q.-6

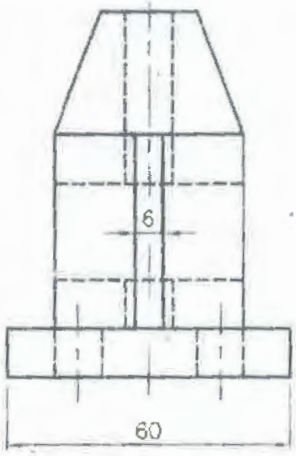
(c)

(b)



(a) FRONT VIEW

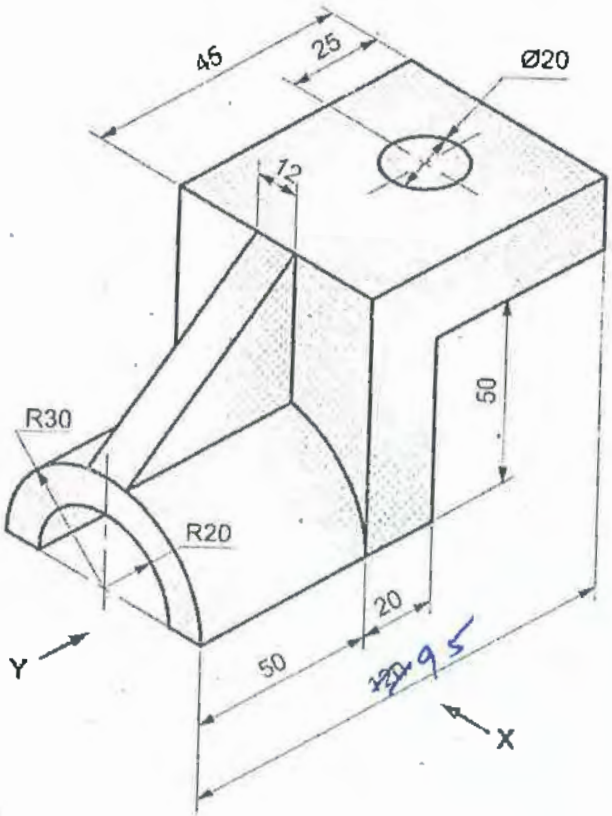
(7 Marks)



(c) L.H. SIDE VIEW

(4 Marks)

Q.-7 (b)



(10 Marks)

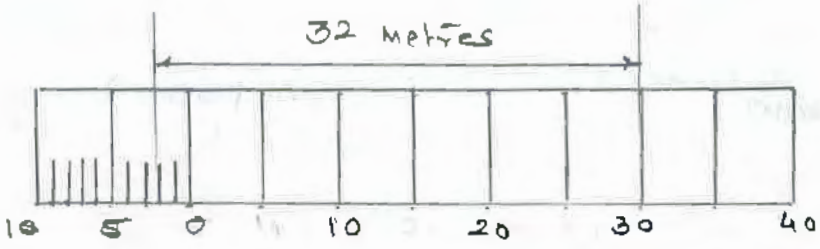
Q-7-(a)

$$R.F = \frac{1}{5 \times 100} = 1/500 \quad (\tfrac{1}{2} \text{ Mark}).$$

L.O.S = R.F × 50 × 100 cm.

$= 1/500 \times 5000$ cms.

$= 10$ cms. ($1/2$ Mark)



(2 Marks)