Chapter- Scales
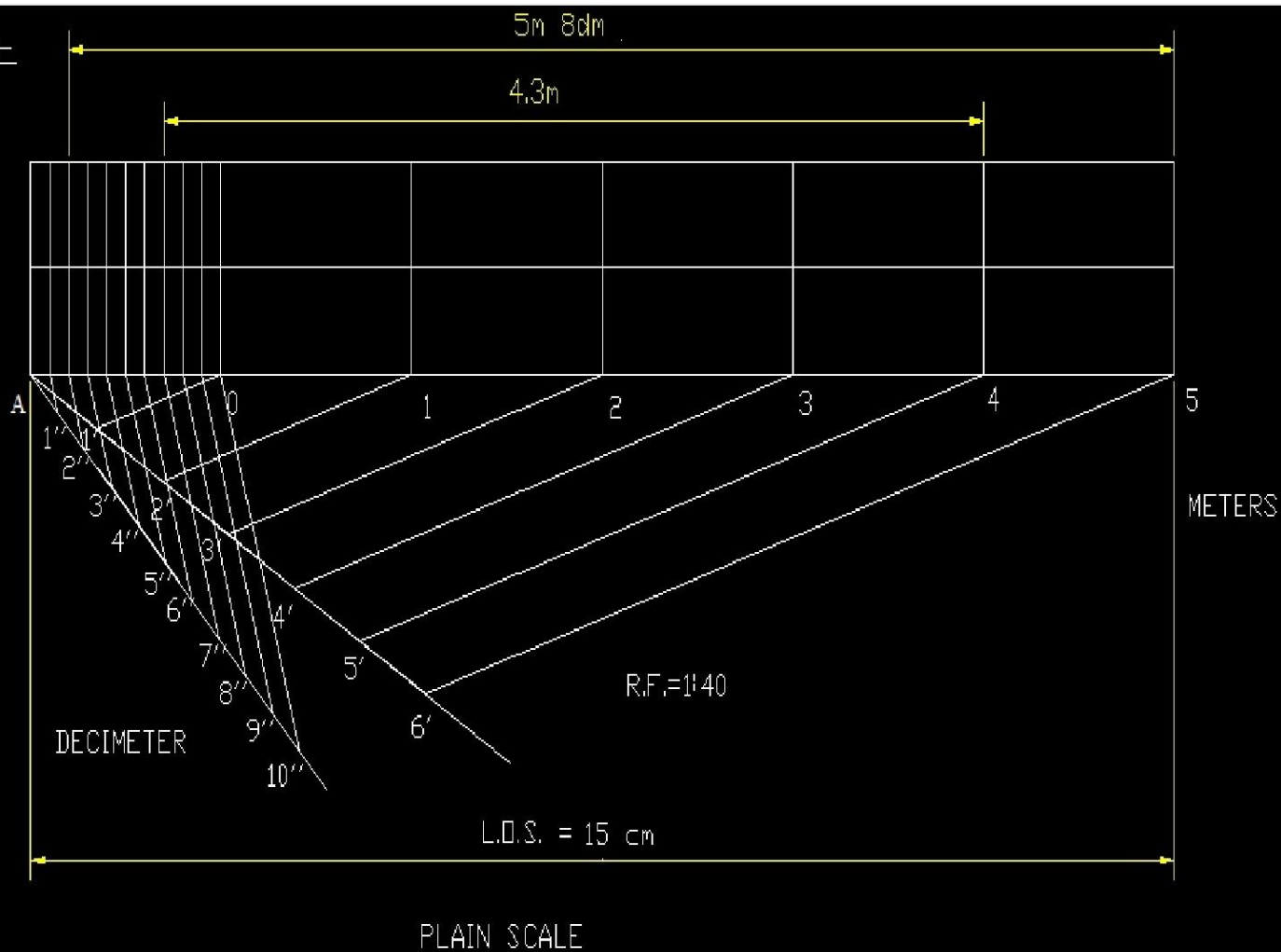
Q1: Construct a plain scale to show meters & decimeters when 1meter is represented by 2.5centimeters and long enough to measure upto 6meters. Show a distance of :
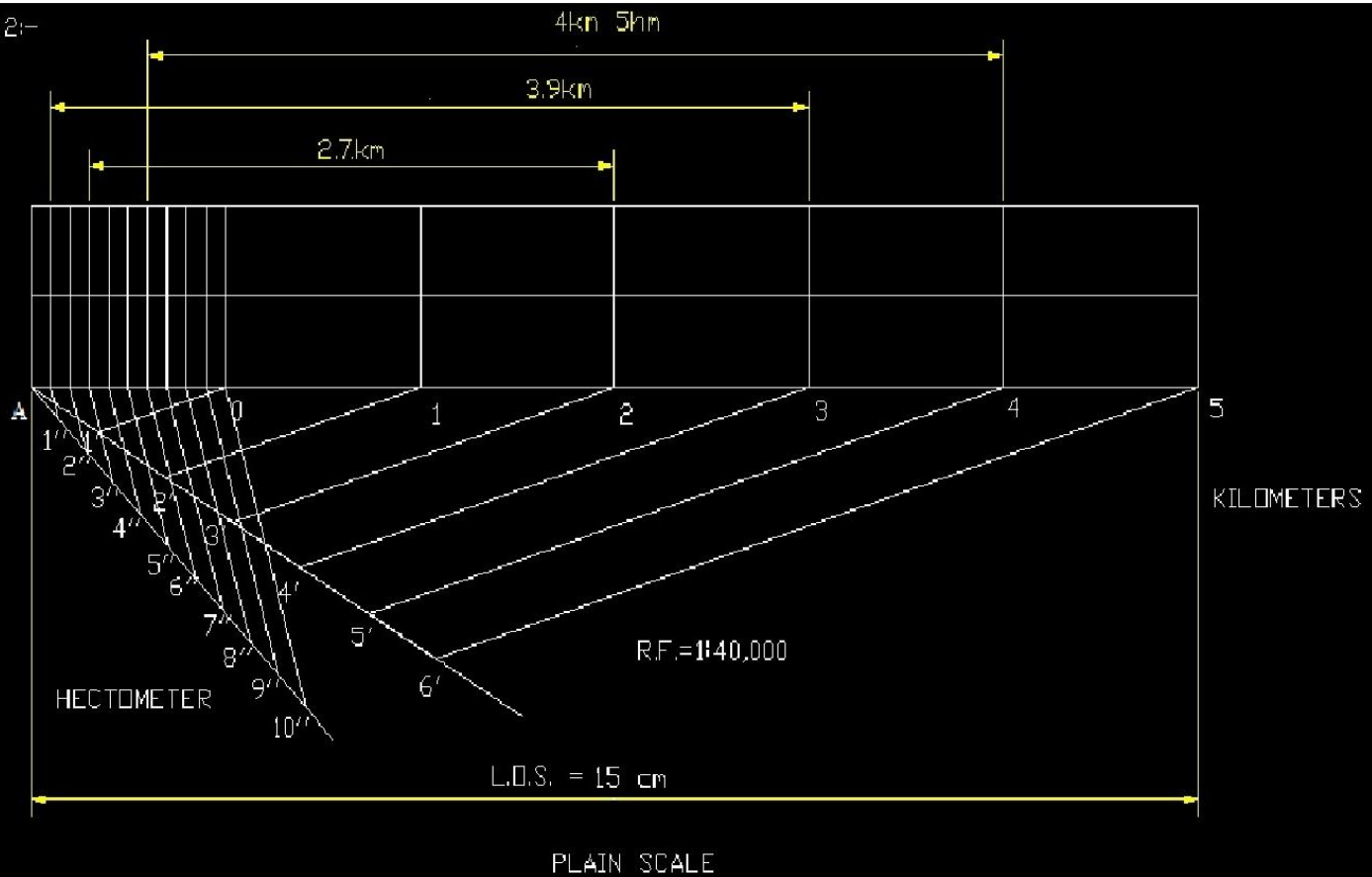1) 5m, 8dm   2) 4.3m

Q2: Construct a plain scale to show kilometers & hectometers when 2.5 centimeter is equal to 1kilometer and long enough to measure upto 6kilometers. Show a distance of :
1) 4km, 5hm   2) 3.9km   3) 2.7km

SOLUTION 2:-

4km 5hm

3.9km

2.7km

A   0   1   2   3   4   5

KILOMETERS

HECTOMETER

R.F.=1:40,000

L.O.S. = 15 cm

PLAIN SCALE

Q3: Construct a scale to show meters, decimeters and centimeters and when 1meter is represented by 2.5centimeters and long enough to measure upto 6meters. Show a distance of :
1) 4m, 5dm, 6cm   2) 3.95m   3) 2.31m

SOLUTION 1:-

4m 5dm 6cm

3.95m

2.31m

CENTIMETER

0₁''
1''
2''
3₁''
4₁''
5₁''
6₁''
7₁''
8₁''
9,''
10₁''

A   D   1   2   3   4   5

1''
2''
3''
4''
5''
6''
7''
8''
9''
10''

METERS

DECIMETER

R.F.=1:40

L.O.S. = 15 cm

DIAGONAL SCALE