1. Construct a rhombus whose diagonals are 4.5cm and 6.2 cm.
2. Draw a parallelogram whose adjacent sides are 2.8 cm and 4.8 cm.
3. Draw a rectangle whose adjacent sides are 3 cm and 5 cm.
4. Construct a quadrilateral ABCD, where AB= 4.3 cm, BC= 5.2 cm, CD = 6.5 cm, ∟B= 105° and ∟C= 60°.
5. Construct a quadrilateral PQRS where, PQ= 5.4 cm, ∟P= 60°, ∟Q= 105°, ∟R=75° and ∟S= 120°
6. Construct a quadrilateral ABCD in which AB= 5 cm, BC= 6.5 cm, angle A= 75°, angle B= 105° and angle C= 120°.
7. Draw a line segment of length 10 cm and divide it into 4 equal parts.
8. Construct a quadrilateral WXYZ when WX= 3.3 cm, XY= 4cm, YZ= 4.1 cm, WZ= 3.6 cm and XZ= 5.5 cm.
9. Construct a rhombus whose diagonals are 6.2 cm and 8.4 cm.
10. Construct a quadrilateral BEST, given ES= 4.5cm, BT= 5.5 cm, St= 5 cm, the diagonal BS= 5.5 cm and diagonal ET= 7 cm. Find Angle E, Angle T and RE.
11. Construct a parallelogram BEAT, BE=5 cm, EA= 6cm and Angle R= 85°.
12. Construct the following quadrilaterals:
    (i) Quadrilateral ABCD
        AB = 4.5 cm   BC = 5.5 cm   AD = 4 cm AD = 6 cm   AC = 7 cm
    (ii) Quadrilateral JUMP
        JU = 3.5 cm   UM = 4 cm   MP = 5 cm   PJ = 4.5 cm
        PU = 6.5mc
    (iii) Parallelogram MORE
        OR = 6 cm   RE = 4.5 cm   EO = 7.5 cm
    (iv) Rhombus   BEST
                    BE = 4.5 cm
                    ET = 6 cm

ASSIGNMENT No 2
PRACTICAL GEOMETRY

1. Construct a quadrilateral PQRS where PQ = 4 cm, QR = 6 cm, RS = 5 cm, PS = 5.5 cm and PR = 7 cm.

2. Construct the Quadrilateral ABCD where AB = 4.5 cm, BC = 5.5 cm, CD = 4 cm, AD = 6 cm and AC = 7 cm.

3. Construct Quadrilateral JUMP where JU = 3.5 cm, UM = 4 cm, MP = 5 cm, PJ = 4.5 cm and PU = 6.5 cm

4. Construct Parallelogram MORE where OR = 6 cm, RE = 4.5 cm and EO = 7.5 cm

5. Construct Rhombus BEST where BE = 4.5 cm and ET = 6 cm

6. Construct a quadrilateral ABCD, given that BC = 4.5 cm, AD = 5.5 cm, CD = 5 cm the diagonal AC = 5.5 cm and diagonal BD = 7 cm.

7. Construct quadrilateral LIFT where LI = 4 cm, IF = 3 cm, TL = 2.5 cm, LF = 4.5 cm and IT = 4 cm

8. Construct Rhombus BEND where BN = 5.6 cm and DE = 6.5 cm

9. Construct a quadrilateral MIST where MI = 3.5 cm, IS = 6.5 cm, ∟M = 75°, ∟ = 105° and ∟S = 120°.

10. Construct Quadrilateral PLAN where PL = 4 cm, LA = 6.5 cm, ∟P = 90°, ∟A = 110° and ∟N = 85°

11. Construct Parallelogram HEAR where HE = 5 cm, EA = 6 cm and ∟R = 85°

12. Construct a quadrilateral ABCD, where AB = 4 cm, BC = 5 cm, CD = 6.5 cm and ∟B = 105° and ∟C = 80°.

13. Draw a square of side 4.5 cm.

14. Construct the kite EASY if AY = 8 cm, EY = 4 cm and SY = 6 cm. Which properties of the kite did you use in the process?

15. Construct a rhombus whose diagonals are 5.2 cm and 6.4 cm long.

16. Construct a rectangle with adjacent sides of lengths 5 cm and 4 cm.

17. Construct a square READ with RE = 5.1 cm.

18. Construct a parallelogram OKAY where OK = 5.5 cm and KA = 4.2 cm.

19. Is it possible to construct a rhombus ABCD where AC = 6 cm and BD = 7 cm? Justify your answer.

20. Construct Quadrilateral TRUE where TR = 3.5 cm, RU = 3 cm, UE = 4 cm, ∟R = 75° and ∟U = 120°