

**SA (2)**  
**Subject : Mathematics**  
**Class – VIII**  
**Assignment – 1**  
**CHAPTER – 12 – CONSTRUCTION**

Choose the correct option (Question No. 1 – 3)

- Q.1 To construct a quadrilateral, it is necessary to have at least \_\_\_\_\_ independent values.  
(a) 5 (b) 4 (c) 3 (d) 2
- Q.2 A quadrilateral PQRS is constructed such that  $PR = QS = 4$  cm and both the diagonals bisect each other at right angle  
(a) Rectangle (b) Square (c) Parallelogram (d) Kite
- Q.3 A quadrilateral in which each angle is  $90^\circ$  and having equal diagonals is  
(a) Rectangle (b) Rhombus (c) Parallelogram (d) None
- Q.4 Construct a quadrilateral ABCD in which  $AB = 4.5$  cm,  $BC = 5.5$  cm,  $CD = 4$  cm,  $DA = 6$  cm and diagonal  $AC = 7$  cm.
- Q.5 Construct a quadrilateral PQRS  $PQ = 4$  cm,  $QR = 3.2$  cm,  $PS = 3.7$  cm,  $PR = 4.8$  cm  $QS = 5.5$  cm. Measure the side RS.
- Q.6 Construct a quadrilateral NIKE in which  $NI = 2.9$  cm,  $IK = 3.2$  cm,  $KE = 2.7$  cm,  $EN = 3.4$  cm and angle  $I = 75^\circ$ .
- Q.7 Construct a quadrilateral FLAG  $FL = 4$  cm,  $LA = 4.5$  cm,  $AG = 4.7$  cm,  $\angle L = 60^\circ$ ,  $\angle A = 135^\circ$ . Measure the side AD and diagonal BD.
- Q.8 Construct a quadrilateral BULK,  $BU = 4$  cm,  $UL = 4$  cm,  $\angle U = 60^\circ$ ,  $\angle B = 90^\circ$ ,  $\angle L = 135^\circ$
- Q.9 Can you construct the quadrilateral MIKE,  $MI = 6$  cm,  $IK = 9.5$  cm,  $\angle M = 75^\circ$ ,  $\angle I = 150^\circ$ ,  $\angle K = 140^\circ$ ?
- Q.10 Construct a quadrilateral RISK,  $RI = 4$  cm,  $IS = 4.5$  cm,  $\angle I = 75^\circ$ ,  $\angle R = 90^\circ$ ,  $\angle S = 120^\circ$ .
- Q.11 Construct a Parallelogram ABCD,  $AB = 4$  cm,  $BC = 5.3$  cm,  $\angle B = 60^\circ$ .
- Q.12 Construct a Parallelogram PQRS,  $PQ = 5.1$  cm,  $PS = 4.2$  cm and  $QS = 6$  cm.
- Q.13 Construct a rhombus ABCD,  $AB = 4.4$  cm and one diagonal is  $6.7$  cm.
- Q.14 Construct a rhombus PQRS,  $PR = 6$  cm,  $QS = 5$  cm.
- Q.15 Construct a rectangle whose sides are  $5.5$  cm and  $3.6$  cm.
- Q.16 Construct a square whose side is  $4.5$  cm.
- Q.17 Construct a square whose Diagonal  $6.5$ .