OBJECTIVE TYPE QUESTIONS

Mark the correct alternative in each of the following:

1. A quadrilateral having one and only pair of parallel sides is called
(a) a parallelogram   (b) a kite
(c) a rhombus   (d) a trapezium
Solution:

The option (d) is the correct answer.
A quadrilateral having one and only pair of parallel sides is called a trapezium.

2. A quadrilateral whose opposite sides are parallel is called
(a) a rhombus   (b) a kite   (c) a trapezium   (d) none of these
Solution:

The option (d) is the correct answer.
A quadrilateral whose opposite sides are parallel is called parallelogram.

3. A quadrilateral having all sides equal is a
(a) square   (b) parallelogram   (c) rhombus   (d) kite
Solution:

The option (c) is the correct answer.
A quadrilateral having all sides equal is a rhombus.

4. A quadrilateral whose each angle is a right angle is a
(a) square   (b) rectangle   (c) rhombus   (d) parallelogram
Solution:

The option (b) is the correct answer.
A quadrilateral whose each angle is a right angle is a rectangle.

5. A quadrilateral whose each angle is a right angle and whose all sides are equal is a
(a) square   (b) rectangle   (c) rhombus   (d) parallelogram
Solution:

The option (a) is the correct answer.
A quadrilateral whose each angle is a right angle and whose all sides are equal is a square.

6. A quadrilateral having two pairs of equal adjacent sides but unequal opposite sides is called a
(a) trapezium   (b) parallelogram   (c) kite   (d) rectangle
Solution:

The option (c) is the correct answer.
A quadrilateral having two pairs of equal adjacent sides but unequal opposite sides is called a kite.

7. The diagonals of a quadrilateral bisect each other. This quadrilateral is a
(a) rectangle   (b) kite   (c) trapezium   (d) none of these
Solution:

The option (a) is the correct answer.
The diagonals of a quadrilateral bisect each other. This quadrilateral is a rectangle.

8. If the diagonals of a quadrilateral bisect each other at right angle, then the quadrilateral is a
(a) parallelogram   **(b) rectangle**   **(c) rhombus**   **(d) kite**
Solution:

The option (c) is the correct answer.
If the diagonals of a quadrilateral bisect each other at right angle, then the quadrilateral is a rhombus.

9. An isosceles trapezium has
(a) all sides equal   **(b) parallel sides equal**
(c) non-parallel sides equal   **(d) any two equal sides**
Solution:

The option (c) is the correct answer.
An isosceles trapezium has non-parallel sides equal.