

JSPM'S BLOSSOM PUBLIC SCHOOL
MULTIPLE CHOICE QUESTIONS 2023-24

CLASS- IX

SUBJECT - MATHEMATICS

Q1 .If the radius of cylinder is halved and height is doubled, then what will be the curved surface area?

- (a) increase by 1
- (b) the same
- (c) double
- (d) 1

Answer a

Q2 A well with 10 m inside diameter is dug 14m deep. Earth taken out of it is spread all around it to make an embankment of height 5m. Find the width of the embankment.

- (a) 2.46 m. (b) 3.56 m (c) 4.66m (d) 5.76 m

Answer c

Q.3) The quadrilateral whose all its sides are equal and angles are equal to 90 degrees, it is called:

- a. Rectangle
- b. Square
- c. Kite
- d. Parallelogram

Answer: **b**

Q.4 The sum of all the angles of a quadrilateral is equal to:

- a. 180°
- b. 270°
- c. 360°
- d. 90°

Answer: **c**

Q.4 The angles of a quadrilateral are in the ratio 4: 5: 10: 11. The angles are:

- a. $36^\circ, 60^\circ, 108^\circ, 156^\circ$
- b. $48^\circ, 60^\circ, 120^\circ, 132^\circ$
- c. $52^\circ, 60^\circ, 122^\circ, 126^\circ$
- d. $60^\circ, 60^\circ, 120^\circ, 120^\circ$

Answer: **b**

Q.5 BCD is a rhombus such that $\angle ACB = 40^\circ$. Then $\angle ADB$ is

- (a) 40°
- (b) 45°
- (c) 50°
- (d) 60°

Answer: **c**

Q. 6 If $x + \sqrt{3}$ then $x + \frac{1}{x}$

- a) 4
- b) -4
- c) 0
- d) -5

Answer: **a**

Q. 7 The value of $\sqrt{10}$ times $\sqrt{15}$ is equal to

- a) $5\sqrt{6}$
- b) $\sqrt{25}$
- c) $10\sqrt{5}$
- d) $\sqrt{5}$

Answer **a**

Q.9 One of the angles of a triangle is 75° . If the difference of other two is 35° , then the largest of the other two angles has the measure

- a) 80°
- b) 75°
- c) 70°
- d) 135°

Answer c

Q.10 How many equation x and y can satisfied by $x=2$ and $y = 3$?

- a) only one
- b) only two
- c) infinity
- d) none of theses

Answer c

Q.11 If $(2,0)$ is a solution of the equation $2x + 3y = k$, then find the value of k is _____

- a) 4
- b) 6
- c) 5
- d) 2

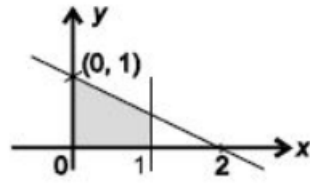
Answer a

Q.12 $ax + by + c = 0$ does not represent an equation of one line, If _____

- a) $x = a$
- b) $y = a$
- c) $y = x$
- d) $y = -x$

Answer a

Q.13 In the rectangular coordinate system given below, The shaded region is bounded by two straight Lines. Which of the following is not an equation of one of the boundary lines?



- a) $X=0$ b) $x=1$ c) $x-y=0$ d) $x+2y=2$

Answer = c

Q.14 ABCD is a rhombus such that $\angle ACB = 40^\circ$ Then $\angle ADB$ is

- a) 40° b) 45° c) 50° d) 60°

Answer = c

Q.14 The quadrilateral formed by joining mid point of the sides of a quadrilateral PQRS, taken in order, is a rhombus, if

- a) PQRS is a rhombus
- b) PQRS is a parallelogram
- c) Diagonals of PQRS are perpendicular
- d) Diagonal of PQRS are equal

Answer d

Q.15 The quadrilateral formed by joining the mid points of the sides of a quadrilateral PQRS, taken in order, is a rectangle if

- a) PQRS is rectangle
- b) PQRS is a parallelogram
- c) Diagonals of PQRS are perpendicular
- d) Diagonal of PQRS are equal
- e) Answer c

