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°, 60°, 108°, 156°

b. 48°, 60°, 120°, 132°

c. 52°, 60°, 122°, 126°

d. 60°, 60°, 120°, 120°

Answer: **b**

Q.5 BCD is a rhombus such that ∠ACB = 40º. Then ∠ADB is

(a) 40º

(b) 45º

(c) 50º

(d) 60º

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^{o} .If the difference of other two is 35^{0}, then the largest of the other two angles has the measure

a) 80^{0}

b) 75^{0}

c) 70^{0}

d) 135^{0}

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

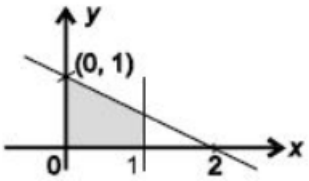
Answer a

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 $\angle ACB = 40^0$ Then $\angle ADB$ is

a) 40^0 b) 45^0 c) 50^0 d) 60^0

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