

JOIN MY PAID WHATSAPP GROUP & GET PDF FORMAT PAPERS WITH ANSWERS.

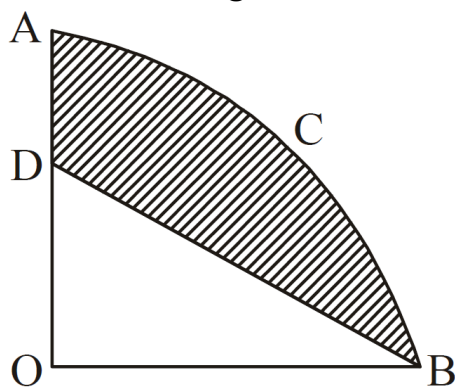
ONE TIME FEES RS.600

1ST JAN 2026 TO TILL MARCH 2026 FINAL EXAM.

WHATSAPP – 8056206308

- Q1.** If (3, 3), (6, y), (x, 7) and (5, 6) are the vertices of a parallelogram taken in order, find the values of x and y. **3 Marks**
- Q2.** Sum of the areas of two squares is 157m^2 . If the sum of their perimeters is 68m, find the sides of the two squares. **3 Marks**
- Q3.** The centre of a circle is (2a, a - 7). Find the values of 'a' if the circle passes through the point (11, -9). Radius of the circle is $5\sqrt{5}\text{cm}$. **3 Marks**

- Q4.** In the given figure, OACB is a quadrant of a circle with centre O and radius 3.5 cm. If OD = 2 cm, find the area of the shaded region. **3 Marks**



**THIS TEST PDF FORMAT QUESTION PAPER
DOWNLOAD FROM MY WEBSITE**

(check - <https://ravitestpapers.com/>)

USE SEARCH BAR TO FIND QUESTION PAPERS

- Q5.** In Figure, find the area of the shaded region where a circular arc of radius 7cm has been drawn with vertex O of an equilateral triangle OAB of side 14cm as centre. (use $\pi = \frac{22}{7}$ and $\sqrt{3} = 1.73$) **3 Marks**
- Q6.** Find the mean of the following frequency distribution: **3 Marks**

Class	Frequency
0 - 10	12
10 - 20	18
20 - 30	27
30 - 40	20
40 - 50	17
50 - 60	6

- Q7.** Heights of 50 students of class X of a school are recorded and following data is obtained: **3 Marks**

Height (in cm):	Number of Students:
130 - 135	4
135 - 140	11
140 - 145	12
145 - 150	7
150 - 155	10
155 - 160	6

Find the median height of the students.

- Q8.** Find the coordinates of a point P on the line segment joining A(1, 2) and B(6, 7) such that $AP = \frac{2}{5}AB$. **3 Marks**
- Q9.** If the point A(0, 2) is equidistant from the points B(3, p) and C(p, 5), find p. Also find the length of AB. **3 Marks**

Q10.

Find the ratio in which the y-axis divides the line segment joining the points (-1, -4) and (5, -6). Also find the coordinates of the point of intersection.

3 Marks

Q11.

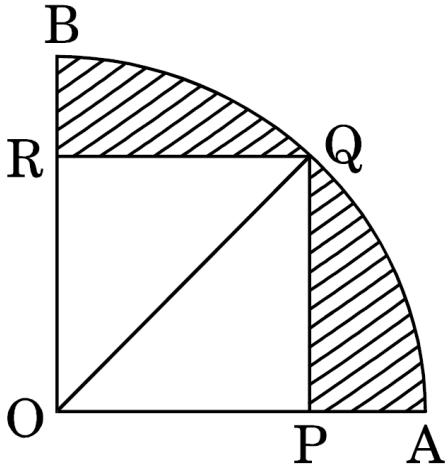
Find the roots of the following quadratic equation
 $2\sqrt{3}x^2 - 5x + \sqrt{3} = 0$

3 Marks

Q12.

In Figure, a square OPQR is inscribed in a quadrant OAQB of a circle. If the radius of circle is $6\sqrt{2}$ cm, find the area of the shaded region.

3 Marks



JOIN MY PAID WHATSAPP GROUP & GET PDF FORMAT PAPERS WITH ANSWERS.

ONE TIME FEES RS.600

1ST JAN 2026 TO TILL MARCH 2026 FINAL EXAM.

WHATSAPP – 8056206308

Q13.

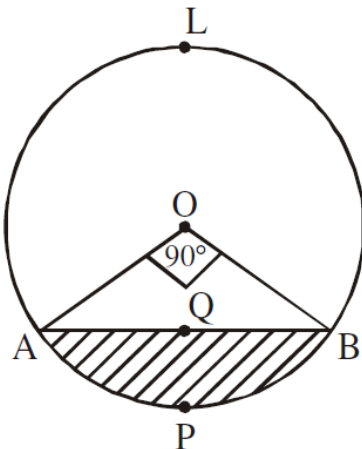
If the point P(k - 1, 2) id equidistant from the points A (3, k) and B(k. 5), find the values of k.

3 Marks

Q14.

In fig. 5 is a chord AB of a circle, with centre O and radius 10cm, that subtends a right angle at the centre of the circle. Find the area of the minor segment AQB. Hence find the area of major segment ALBQA. (use $\pi = 3.14$)

3 Marks



THIS TEST PDF FORMAT QUESTION PAPER

DOWNLOAD FROM MY WEBSITE

(check - <https://ravitestpapers.com/>)

USE SEARCH BAR TO FIND QUESTION PAPERS

Q15.

Find the ratio in which the point (2, y) divides the line segment joining the points A(-2, 2) and B(3, 7). Also find the value of y.

3 Marks

Q16.

In what ratio does the point P(-4, y) divide the line segment joining the points A(-6, 10) and B(3, -8) if it lies on AB. Hence find the value of y.

3 Marks

Q17.

The marks obtained by 100 students in an examination are given below:

3 Marks

Marks:	30-35	35-40	40-45	45-50	50-55	55-60	60-65
Number of Students:	14	16	28	23	18	8	3

Find the mean marks of the students.

Q18.

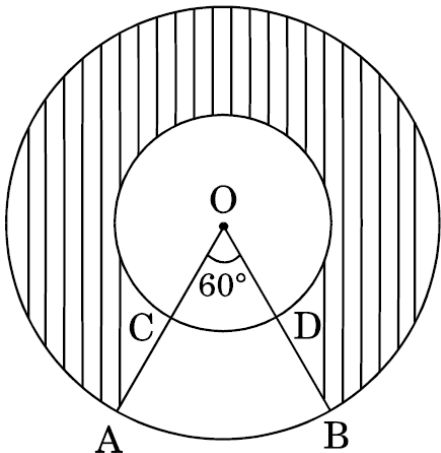
For what values of k, are the root the quadratic equation: $(k + 4)x^2 + (k + 1)x + 1 = 0$ equal?

3 Marks

Q19.

In the given figure, two concentric circles with centre O have radii 21 cm and 42 cm. If $\angle AOB = 60^\circ$, find the area of the shaded region. [Use $\pi = \frac{22}{7}$]

3 Marks



Q20. If the point $P(x, y)$ is equidistant from the points $A(a + b, b - a)$ and $B(a - b, a + b)$. Prove that $bx = ay$. **3 Marks**

Q21. Solve the equation $\frac{3}{x+1} - \frac{1}{2} = \frac{2}{3x-1}$; $x \neq -1, x \neq \frac{1}{3}$, for x . **3 Marks**

Q22. If the coordinates of points A and B are $(-2, -2)$ and $(2, -4)$ respectively, find the coordinates of P such that $AP = \frac{3}{7}AB$, where P lies on the line segment AB . **3 Marks**

Q23. Show that the points $A(-1, 1)$, $B(5, 7)$ and $C(8, 10)$ are collinear. **3 Marks**

Q24. In Fig. 6, $PQ = 24\text{cm}$, $PR = 7\text{cm}$ and O is the centre of the circle. Find the area of shaded region (take $\pi = 3.14$) **3 Marks**

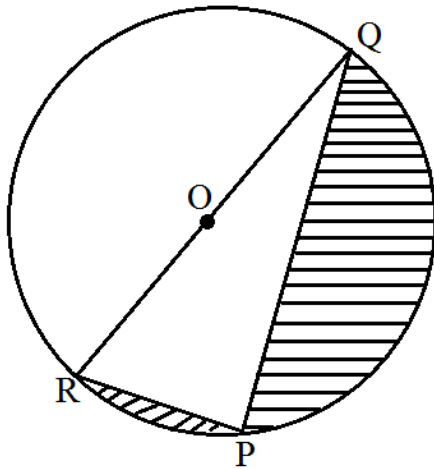


Fig. 6

**JOIN MY PAID WHATSAPP GROUP & GET
PDF FORMAT PAPERS WITH ANSWERS.**

ONE TIME FEES RS.600

1ST JAN 2026 TO TILL MARCH 2026 FINAL EXAM.

WHATSAPP – 8056206308

Q25. Find the roots of the following equation:
 $\frac{1}{x+4} - \frac{1}{x-7} = \frac{11}{30}$; $x \neq -4, 7$ **3 Marks**

**THIS TEST PDF FORMAT QUESTION PAPER
DOWNLOAD FROM MY WEBSITE**

(check - <https://ravitestpapers.com/>)

USE SEARCH BAR TO FIND QUESTION PAPERS