MATHS

BOOKS - NAVNEET PUBLICATION

CIRCLE

Question Bank

1. Complete the following table :

Sr. No.	Radius (r)	Diameter (d)	Circumference (c)
(i)	7 cm	......	......
(ii)	......	28 cm	......
(iii)	......	......	6.16 cm
(iv)	......	......	72.6 cm

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2. The circumference of a circle is 176 cm. Find its radius.

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3. The radius of a circular garder is 56 m. What is the cost of four round fence around this garden at the rate of `

3. 40 per metre ?

4. The wheel of a bullock cart has a diameter of 1.4 m. How many rotations

will the wheel complete as the cart travels 1.1 km ?

5. Choose the correct alternative :

If arc AXB and AYB are the corresponding arcs and m(arc AXB)=$120°$, then m(arc AYB)=?
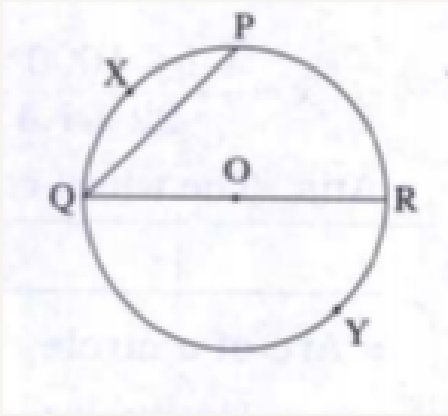
A. $140°$

B. $60°$

C. $240°$

D. $160°$

Answer: C

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6. Some arcs are shown in the circle in the

with centre O. Write the names of minor

arcs, major arcs and semicircular arcs

from among them.

7. The measure of a minor arc PXQ of a circle with centre O is $110°$. What is the measure of the major arc PYQ ?

8. What is the circumference of a circle with diameter 7 cm ?

9. The lenght of the longest chord of a circle is 10 cm. What is the lenght of its radius ?

10. What is the measure of a semicircle ?

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11. What is the ratio of the circumference

of a circle to its diameter.

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12. The measure of a major arc is 270°. What is the measure of the corresponding minor arc ?

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