

EXPERIENTIAL LEARNING

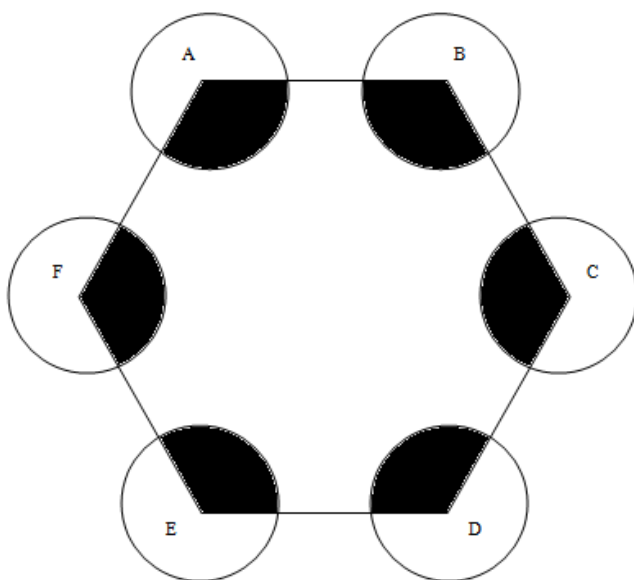
SUBJECT: MATHEMATICS

CLASS: X

CHAPTER 12: AREAS RELATED TO CIRCLES

Curiosity Question:

1. A regular hexagon ABCDEF is given below. With A, B, C, D, E and F as the centers of circles and 'r' as radius, circles have been drawn. Find the area of the shaded region.



Answer Guide:

- Mention some circular objects that we come across in our daily lives.
- How will you relate the length of an arc with area of a sector using a formula?
- What do you mean by a quadrant of the circle?

AREAS RELATED TO CIRCLES

Experiential Learning Activity:

Students will prepare a poster on “Save Water” on a square sheet whose side measures 50 cm. At each corner of the sheet, they draw a quadrant of radius 15cm in which they show ways to save water. At the center they will draw a circle of diameter 21 cm and write the slogan ‘Save water’ on it. Then they will find the area of the remaining sheet.

