## Maths - 10th Class Mathematics English Medium Chapter 7 Preparation

### Q1. Define coterminal angle.

**Ans 1:** Two or more than two angles with the same initial and terminal sides are called coterminal angles.

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### Q2. Define vertex.

**Ans 1:** The common end point of arms that form an angle is called vertex.

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### Q3. Define segment of a circle.

**Ans 1:** A part of the circle bounded by an arc and a chord is called segment of a circle.

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### Q4. Define arc.

**Ans 1:** A part of the circumference of a circle is called an arc.

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### Q5. Define radian measure of an angle.

**Ans 1:** The angle subtended at the centre of the circle by an arc, whose length is equal to the radius of the circle, is called one radian.

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### Q6. Convert 15° into radian measure.

**Ans 1:**

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### Q7. How we draw angle in positive measure ?

**Ans 1:** If the rotation of the ray is anti-clock wise, the angle has positive measure.

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### Q8. Define quadrants.

**Ans 1:** The x-axis and y-axis divides a plane in four regions, called quadrants.

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### Q9. Find the value of sin 315° without using table or calculator.

**Ans 1:**

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Q10. What is terminal side ?

**Ans 1:** If we make an angle by rotating a ray from one position to another, when we from an angle in this way, the final position of the ray is called terminal side of an angle.

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