

## Mathematics - FSC Part 2 Mathematics Chapter 6 Short Questions Preparation

Q1.

**Ans 1:**

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Q2. Define circle as plane section of a cone.

**Ans 1:** If a plane cuts the cone perpendicular to the axis of the cone, then the section is a circle.

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Q3.

**Ans 1:**

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Q4. Define conics.

**Ans 1:** The curves obtained by cutting a (double) right circular cone by a plane are called conics.

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Q5.

**Ans 1:**

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Q6. Give definition of a circle.

**Ans 1:** The set of all points in the plane that are equally distant from a fixed point is called a circle.

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Q7. Define centre of the circle.

**Ans 1:** In a circle, the fixed point is called the centre of the circle which is equi-distance from all points in the plane.

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Q8.

**Ans 1:**

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Q9. Define ellipse as plane section of a cone.

**Ans 1:** If the cutting plane is slightly titled and cuts only one nappe of the cone, then the section is an ellipse.

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Q10. Define a tangent line to a curve.

**Ans 1:** A line that touches the curve without cutting through it is called a tangent line to the curve.

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