

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

Q1.

Ans 1:

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Q2.

Ans 1:

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Q3.

Ans 1:

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Q4. Define ellipse as plane section of a cone.

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

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Q5.

Ans 1:

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Q6. 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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Q7.

Ans 1:

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Q8.

Ans 1:

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Q9. Define point circle.

**Ans 1:** If the cone is cut by a plane passes through the vertex A, then the intersection is just a single point or a point circle.

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Q10. Define radius of the circle.

**Ans 1:** The distance from the centre of the circle to any point on the circle is called the radius of the circle.

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