

Topics : Sequence & Series, Circle, Fundamentals of Mathematics

Type of Questions	M.M., Min.
Comprehension (no negative marking) Q.1 to Q.3	(3 marks, 3 min.) [9, 9]
Single choice Objective (no negative marking) Q.4,5,6	(3 marks, 3 min.) [9, 9]
Subjective Questions (no negative marking) Q.7	(4 marks, 5 min.) [4, 5]

COMPREHENSION (Q.1 to 3)

Consider 3 circles

$$\mathbf{S}_1 : \quad x^2 + y^2 + 2x - 3 = 0$$

$$\mathbf{S}_2 : \quad x^2 + y^2 - 1 = 0$$

$$\mathbf{S}_3 : \quad x^2 + y^2 + 2y - 3 = 0$$

Answers Key

1. (C)

2. (D)

3. (C)

4. (D)

5. (A)

6. (B)