

## CBSE Class 10 Maths Sample Paper SA 2 Set 1

## SAMPLE QUESTION PAPER (Set - II)

## Summative Assessment – II

## Class-X

## Mathematics

Time: 3 hours

M. M. : 90

**General Instructions:**

1. All questions are compulsory.
2. The question paper consists of 31 questions divided into four sections A, B, C and D.
3. Section A contains 4 questions of 1 mark each. Section B contains 6 questions of 2 marks each. Section C contains 10 questions of 3 marks each. Section D contains 11 questions of 4 marks each.
4. Use of calculators is not permitted.

**Section A**

(Question numbers 1 to 4 carry 1 mark each)

1. Find the value of  $k$ , for which one root of the quadratic equation  $kx^2 - 14x + 8 = 0$  is six times the other.
2. Find the tenth term of the sequence  $\sqrt{2}, \sqrt{8}, \sqrt{18}, \dots$
3. Out of 200 bulbs in a box, 12 bulbs are defective. One bulb is taken out at random from the box. What is the probability that the drawn bulb is not defective?
4. Find the value of  $a$ , for which point  $P\left(\frac{a}{3}, 2\right)$  is the midpoint of the line segment joining the points  $Q(-5, 4)$  and  $R(-1, 0)$ .

**Section B**

(Question numbers 5 to 10 carry 2 marks each)

5. If 2 is a root of the equation  $x^2 + kx + 12 = 0$  and the equation  $x^2 + kx + q = 0$  has equal roots, find the value of  $q$ .

# Sample Papers For Class 10

**Camilla Rothe**



## **Sample Papers For Class 10:**

## **Sample Papers For Class 10** Book Review: Unveiling the Magic of Language

In a digital era where connections and knowledge reign supreme, the enchanting power of language has become more apparent than ever. Its capability to stir emotions, provoke thought, and instigate transformation is truly remarkable. This extraordinary book, aptly titled "**Sample Papers For Class 10**," published by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound effect on our existence. Throughout this critique, we shall delve into the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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