

**Class - X Session 2022-23**  
**Subject - Mathematics (Basic)**  
**Sample Question Paper**

**Time Allowed: 3 Hours**

**Maximum Marks: 80**

**General Instructions:**

1. This Question Paper has 5 Sections A, B, C, D, and E.
2. Section A has 20 Multiple Choice Questions (MCQs) carrying 1 mark each.
3. Section B has 5 Short Answer-I (SA-I) type questions carrying 2 marks each.
4. Section C has 6 Short Answer-II (SA-II) type questions carrying 3 marks each.
5. Section D has 4 Long Answer (LA) type questions carrying 5 marks each.
6. Section E has 3 Case Based integrated units of assessment (4 marks each) with sub-parts of the values of 1, 1 and 2 marks each respectively.
7. All Questions are compulsory. However, an internal choice in 2 Qs of 2 marks, 2 Qs of 3 marks and 2 Questions of 5 marks has been provided. An internal choice has been provided in the 2 marks questions of Section E.
8. Draw neat figures wherever required. Take  $\pi = 22/7$  wherever required if not stated.

	<b>Section A</b>	
	<b>Section A consists of 20 questions of 1 mark each.</b>	
<b>SN</b>		<b>Ma rks</b>
1	<p>If two positive integers p and q can be expressed as <math>p = ab^2</math> and <math>q = a^3b</math>; a, b being prime numbers, then LCM (p, q) is</p> <p>(a) ab                                      (b) <math>a^2b^2</math>                                      (c) <math>a^3b^2</math>                                      (d) <math>a^3b^3</math></p>	1
2	<p>What is the greatest possible speed at which a man can walk 52 km and 91 km in an exact number of hours?</p> <p>(a) 17 km/hours                                      (b) 7 km/hours (c) 13 km/hours                                      (d) 26 km/hours</p>	1
3	<p>If one zero of the quadratic polynomial <math>x^2 + 3x + k</math> is 2, then the value of k is</p> <p>(a) 10                                      (b) -10                                      (c) 5                                      (d) -5</p>	1
4	<p>Graphically, the pair of equations given by  <math>6x - 3y + 10 = 0</math>  <math>2x - y + 9 = 0</math>  represents two lines which are</p> <p>(a) intersecting at exactly one point.                                      (b) parallel. (c) coincident.                                      (d) intersecting at exactly two points.</p>	1

# Sample Paper For Class Sa23

**Lingjun Ying**



**Sample Paper For Class Sa23:**

## **Sample Paper For Class Sa23** Book Review: Unveiling the Power of Words

In some sort of driven by information and connectivity, the power of words has are more evident than ever. They have the capability to inspire, provoke, and ignite change. Such may be the essence of the book **Sample Paper For Class Sa23**, a literary masterpiece that delves deep into the significance of words and their effect on our lives. Published by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we shall explore the book is key themes, examine its writing style, and analyze its overall impact on readers.

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