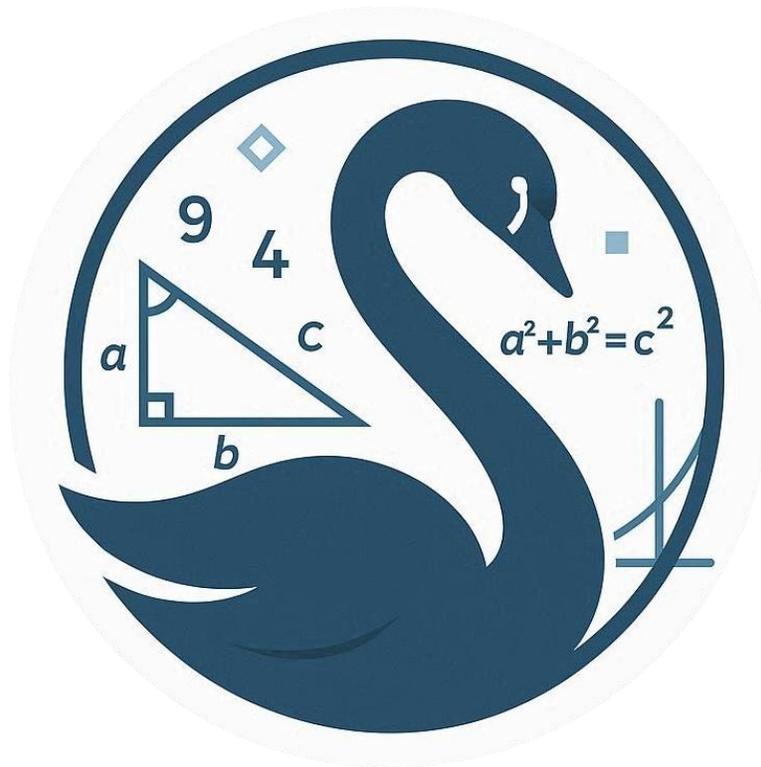


# SWAN CBSE SAMPLE QUESTION PAPERS



***Class 10 – Mathematics Standard For 2025 Examination***

Published by: **SWAN India Publication**

## Copyright Page

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## Preface

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The **CBSE Sample Question Papers – Class 10 Mathematics (Standard) for 2025 Examination** has been carefully designed to help students prepare confidently and systematically for the CBSE Board Examination. This book strictly follows the **latest CBSE syllabus, exam pattern, and competency-based assessment approach** prescribed for the 2024–25 academic session.

Mathematics is a subject that rewards **conceptual clarity, regular practice, and proper presentation**. Keeping this in mind, this book offers a balanced blend of **exam-oriented sample papers, varied question typologies, and student-friendly explanations**. Each sample paper is structured exactly on the lines of the CBSE question paper, covering MCQs, short answer questions, long answer questions, and case-study based problems to ensure complete exam readiness.

Special emphasis has been laid on:

- Competency-based and application-oriented questions
- Proper mark-wise question distribution
- Internal choices as per CBSE norms
- Clear, step-by-step solutions following board marking schemes

In addition to sample papers, this book also includes **important formulas, quick revision notes, common mistakes to avoid, and useful exam tips** to help students improve accuracy and time management. The content is framed in a simple, clear, and student-centric manner to make learning stress-free and effective.

This book aims not only to help students score high marks but also to build **confidence, logical thinking, and problem-solving skills** required to excel in the Mathematics examination.

We sincerely hope that this book proves to be a reliable companion in your journey towards success in the **CBSE Class 10 Mathematics Board Examination 2025**.

**Best wishes for your preparation and success!**

— *SWAN India Publication*

# How to Use This Book

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This book has been designed to provide **systematic, focused, and exam-oriented preparation** for the **CBSE Class 10 Mathematics (Standard) Examination 2025**. To get the maximum benefit from this book, students are advised to follow the steps given below:

## 1. Understand the Exam Pattern First

Before starting the sample papers, carefully go through the **CBSE 2025 exam pattern and unit-wise weightage** provided in the beginning of the book. This will help you understand the mark distribution and the importance of each chapter.

## 2. Revise Concepts and Formulas

Begin your preparation by revising the **important formulas, concept notes, and mind maps** given in this book. A strong command over basic concepts will make solving questions easier and faster.

## 3. Attempt Sample Papers in Exam Conditions

Solve each sample question paper in a **3-hour time limit**, exactly as you would do in the actual board examination. This practice will improve your speed, accuracy, and time management skills.

## 4. Follow the Correct Order of Attempt

Start with the section you are most comfortable with to build confidence. Allocate time wisely to each section and avoid spending too much time on a single question.

## 5. Check Answers with Marking Scheme

After attempting a paper, compare your answers with the **detailed solutions and marking scheme** provided at the end. Pay attention to the step-wise presentation, as

marks are awarded for correct steps as well as final answers.

#### 6. **Analyse Your Mistakes**

Identify the chapters or question types where you are losing marks. Revisit those concepts, practice similar questions, and make note of common errors to avoid repeating them in the examination.

#### 7. **Practice Case Study and Competency-Based Questions**

Case-study and application-based questions require logical thinking. Practice these questions regularly to develop clarity and confidence.

#### 8. **Use This Book for Final Revision**

In the last few weeks before the exam, use this book for **quick revision** by revising formulas, attempting selected questions, and going through common mistakes and tips.

By following this structured approach, students will be able to **strengthen their concepts, improve performance, and approach the examination with confidence.**

We recommend consistent practice and self-analysis for achieving the best results.

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# CBSE 2025 Maths Exam Pattern (Class 10 – Mathematics Standard)

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The **CBSE Class 10 Mathematics (Standard) Examination 2025** is designed to assess students' **conceptual understanding, analytical skills, and application of mathematical concepts**. The question paper follows a **competency-based assessment framework**, as prescribed by CBSE.

## Examination Details

- **Subject:** Mathematics – Standard
  - **Time Duration:** 3 Hours
  - **Maximum Marks:** 80
  - **Internal Assessment:** 20 Marks (conducted by the school)
- 

## Question Paper Structure

Section	Type of Questions	No. of Questions	Marks per Question	Total Marks
<b>Section A</b>	Multiple Choice Questions (MCQs)	16	1	16
<b>Section B</b>	Very Short Answer (VSA)	6	2	12

Section	Type of Questions	No. of Questions	Marks per Question	Total Marks
Section C	Short Answer (SA)	6	3	18
Section D	Long Answer (LA)	6	4	24
Section E	Case Study Based Questions	3	4	12
<b>Total</b>				<b>80</b>

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### Key Features of the CBSE 2025 Exam Pattern

- Questions are designed to test **conceptual clarity, reasoning ability, and problem-solving skills**.
- **Competency-based questions** form a significant part of the paper.
- **Internal choices** are provided in selected questions across sections.
- Case study questions are **application-oriented** and based on real-life situations.
- Proper **step-wise presentation** is essential to score full marks in subjective questions.

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### Important Instructions for Students

- All questions are compulsory.
- Use of calculator is **not permitted**.

- Figures must be neat and properly labelled.
- Answers should be written clearly with all necessary steps.
- Marks are awarded for correct method as well as final answer.

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Understanding this exam pattern thoroughly will help students **plan their preparation strategically, manage time effectively during the examination, and maximize their scoring potential.**

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## Acknowledgement

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The author would like to express sincere gratitude to all those who have directly or indirectly contributed to the successful completion of this book.

Special thanks are due to the teachers, educators, and academic mentors whose guidance and experience in the field of mathematics education have helped in shaping the content of this book in alignment with the latest **CBSE examination pattern and competency-based approach**.

The author is also thankful to the students whose learning needs, feedback, and exam-oriented expectations inspired the structure, presentation, and practice material included in this book.

Heartfelt appreciation is extended to **SWAN India Publication** for their constant support, encouragement, and professional assistance in bringing this book to publication.

Finally, the author acknowledges the support of family and well-wishers for their motivation and patience throughout the development of this book.

It is hoped that this book will serve as a useful and reliable resource for students preparing for the **Class 10 Mathematics (Standard) Examination** and help them achieve academic success.

## About SWAN India Publication

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**SWAN India Publication** is an independent educational publishing house committed to creating **high-quality, exam-oriented academic resources** for school and competitive examinations in India.

With a strong focus on **clarity, accuracy, and curriculum alignment**, SWAN India Publication develops books that are strictly based on the latest syllabus, examination patterns, and competency-based learning approaches prescribed by leading educational boards such as **CBSE**. Each publication is carefully designed to help students build strong conceptual understanding while also improving their exam performance.

The publications emphasize:

- Structured and student-friendly presentation
- Competency-based and application-oriented questions
- Sample papers, practice sets, and case study questions
- Clear answer formats and marking-scheme awareness
- Latest exam trends and revision-focused content

SWAN India Publication believes that **quality learning resources should be accessible, reliable, and exam-relevant**. Every book is developed with the aim of supporting students, teachers, and educators in achieving academic excellence.

The publishing house continuously works to update and refine its content to match evolving examination trends, ensuring that learners remain well-prepared and confident.

*SWAN India Publication — Empowering Students Through Smart Learning.*