NATIONAL SCHOLARSHIP EXAMINATION

YOUR RANK CAN CHANGE YOUR FUTURE

Class 10 | Mathematics | Full Syllabus & Exam Pattern

- Think beyond the textbook
- Compete at a national level
- Get recognized for your potential



www.toppersconnect.in

Meet the Toppers. Master Your Journey.

WHY TOPPERSCONNECT

A national platform for student potential

Toppersconnect's National Scholarship Examination is designed for Class 10 students to assess conceptual understanding, application skills, logical reasoning and problem-solving ability.

01

NATIONAL

A common competitive platform for students.

02

SCHOLARSHIP

An opportunity to earn recognition and rewards.

03

POTENTIAL

A focus on what a student can understand and apply.

The idea

- Measure learning beyond routine school assessments
- Create a transparent competitive benchmark
- Encourage students to strengthen application and reasoning

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EXAM PATTERN

THE NUMBERS

80 TOTAL QUESTIONS	**+4** CORRECT	**-1** INCORRECT
0 UNATTEMPTED	**320** MAX MARKS	**180 MIN** DURATION

Mode	Online + Offline
Target Group	Class 10 students
Subject	Mathematics
Marking	Correct +4 | Incorrect -1 | Unattempted 0

ASSESSMENT

WHAT WE LOOK FOR

01

CONCEPTUAL UNDERSTANDING

Formulas, theorems and mathematical relationships.

02

APPLICATION

Concepts applied to unfamiliar and real-life situations.

03

PROBLEM SOLVING

Multi-step problem solving.

04

REASONING

Logical reasoning and selected higher-order thinking.

The assessment philosophy

Questions may test concepts, application, numerical/problem-solving skills, interpretation, logical reasoning and selected higher-order thinking.

Assessment focus: conceptual understanding of formulas, theorems and mathematical relationships; application of concepts to unfamiliar and real-life situations; multi-step problem solving and logical reasoning.

MATHEMATICS

NUMBER SYSTEMS & ALGEBRA

01 **Real Numbers**

Real Numbers; Fundamental Theorem of Arithmetic; irrationality; decimal expansion

02 **Polynomials**

Polynomials

03 **Pair of Linear Equations in Two Variables**

Pair of Linear Equations in Two Variables

04 **Quadratic Equations**

Quadratic Equations

05 **Arithmetic Progressions**

Arithmetic Progressions

MATHEMATICS

COORDINATE GEOMETRY, GEOMETRY & TRIGONOMETRY

06 **Coordinate Geometry**

Distance Formula; Section Formula (internal division)

07 **Geometry**

Triangles and similarity; Circles and tangents

08 **Trigonometry**

Trigonometric ratios; standard angles; trigonometric identities; heights and distances

CHAPTER LIST

1. Real Numbers
2. Polynomials
3. Pair of Linear Equations in Two Variables
4. Quadratic Equations
5. Arithmetic Progressions
6. Coordinate Geometry
7. Triangles
8. Circles
9. Introduction to Trigonometry
10. Some Applications of Trigonometry
11. Areas Related to Circles
12. Surface Areas and Volumes
13. Statistics
14. Probability

MATHEMATICS

MENSURATION & STATISTICS & PROBABILITY

09

Mensuration

Areas Related to Circles; Surface Areas and Volumes; combinations of solids

10

Statistics & Probability

Mean, median, mode of grouped data; classical probability

ASSESSMENT APPROACH

Questions may test concepts, application, numerical/problem-solving skills, interpretation, logical reasoning and selected higher-order thinking.

ASSESSMENT FOCUS

Conceptual understanding of formulas, theorems and mathematical relationships; application of concepts to unfamiliar and real-life situations; multi-step problem solving and logical reasoning.

IMPORTANT

EXAM FRAMEWORK

PUBLIC SYLLABUS

This syllabus is intended for the Toppersconnect public student document, providing chapter-wise content and assessment information.

CURRICULUM ALIGNMENT

This is a Toppersconnect examination syllabus aligned with the CBSE Class X curriculum for 2026–27. It is not an official CBSE publication.

ASSESSMENT SCOPE

The public syllabus focuses on the listed Class X Mathematics areas. The internal exam team may decide separately whether to include additional curriculum content.

REFERENCES

OFFICIAL CBSE

Verify the source curriculum

For transparency, students and parents can verify the curriculum and sample question papers directly through the official CBSE academic references.

CBSE CLASS X CURRICULUM 2026–27

cbseacademic.nic.in/curriculum_2027.html

CBSE CLASS X SAMPLE QUESTION PAPERS 2026–27

cbseacademic.nic.in/SQP_CLASSX_2026-27.html

WEBSITE PUBLISHING

Publish this PDF as the Toppersconnect Class 10 Scholarship Examination – Mathematics Syllabus & Exam Pattern. Keep the official CBSE links alongside it so students and parents can verify the source curriculum directly.



MEET THE TOPPERS

THANK YOU

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