



GURU NANAK PUBLIC SCHOOL RAJOURI GARDEN

Syllabus:2026-27

Class: X

Subject: Mathematics

Objectives-

- To develop logical thinking and problem-solving skills among students.
- To understand and apply mathematical concepts in real-life situations.
- To strengthen knowledge of algebra, geometry, trigonometry, and statistics.
- To enhance calculation skills and accuracy.
- To promote reasoning, analytical ability, and critical thinking.
- To develop the ability to interpret and analyze data.
- To encourage the use of mathematical tools and formulas effectively.
- To build confidence in solving complex mathematical problems.
- To improve understanding of graphs and their applications.
- To prepare students for higher-level mathematics and competitive exams.

UNIT 1 1/04/2026- 30/04/2026

Chapter 1: Real Number

Chapter 2: Polynomials

Chapter 3: Pair Of Linear Equations in two Variables

Activity: To verify the condition for consistency of a system of linear equations in two variables by graphical representation.

UNIT2 01/05/2026-07/07/2026

Chapter 3: Pair Of Linear Equations in two Variables (Continue)

Chapter 4: Quadratic Equations

Chapter 15: Probability

Activity: To set the idea of probability of an event through a double colour

cards experiments.

UNIT 3 08/07/2026- 04/08/2026

Chapter 5:Arithmetic Progressions

Chapter 6: Coordinate Geometry

Chapter 14: Statistics

Activity: I) To verify that given sequence is an arithmetic progression by paper cutting and pasting method.

 II) To verify that the sum of first n natural numbers is $\frac{n(n+1)}{2}$ by graphical method.

UNIT 4 05/08/2026- 05/09/2026

Chapter 7:Triangles

Chapter 8: Cricles

Activity: I) To verify the basic proportionality theorem by using parallel lines board, triangle cut outs.

 II) To verify experimentally that lengths of tangents drawn from an external points to a circle are equal.

REVISION : 07/09/2026 – 11/09/2026

EXAMINATION 14/09/2026

UNIT 5 01/10/2026 - 26/10/2026

Chapter 9:Introduction to Trigonometry

Chapter 10:Trigonometric Identities

Chapter 11:Heights and Distances

UNIT 6 28/10/2026- 21/11/2026

Chapter 12:Areas related to Circles

Chapter 13: Surface Areas and Volumes

Activity: I) To obtain formula for area of circle that ie. πr^2 by paper cutting and pasting method.

 II) To make a right circular cylinder of given height and circumference

of circular base from a given rectangle experimentally.

1ST Pre board 23/11/2026 – 05/12/2026

Revision Unit 1 07/12/2026 – 24/12/2026

2nd Pre board 28/12/2026 – 08/01/2027

Revision Unit 2 12/01/2027 –.....