

● SECTION C: COORDINATE GEOMETRY (5%)

- Cartesian plane
 - Plotting points
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● SECTION D: GEOMETRY (20%)

1. Lines and Angles

2. Triangles

- Congruence
- Properties

3. Quadrilaterals

- Basic properties
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◆ SECTION E: MENSURATION (10%)

- Area of triangles and quadrilaterals
 - Surface area and volume (introductory)
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● SECTION F: STATISTICS & PROBABILITY (10%)

1. Statistics

- Collection and representation of data
- Mean, median, mode

2. Probability (Basic)

- Experimental probability
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● SECTION G: COMMERCIAL MATHEMATICS (5%)

- Basic applications of percentages
 - Profit & Loss (introductory application)
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 SECTION H: SMART LOGIC & AI AWARENESS (5%)

(No specific study required)

1. Analytical Thinking

- Pattern recognition
- Logical sequencing

2. AI Concepts (Basic)

- Data and patterns
 - Real-life AI applications
 - Decision-making based on inputs
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SECTION I: ADVANCED REASONING & HOTS (5%)

- Algebra-based reasoning
 - Number series
 - Logical puzzles
 - Case-based problem solving
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Weightage Structure

Section	Area	Weightage
A	Number System	15%
B	Algebra	25%
C	Coordinate Geometry	5%
D	Geometry	20%
E	Mensuration	10%
F	Statistics & Probability	10%
G	Commercial Mathematics	5%
H	Smart Logic & AI Awareness	5%
I	Advanced Reasoning & HOTS	5%

Total = 100%

EXAM PATTERN

- Mode: Online / Offline (MCQ Based)
- Total Questions: 50
- Total Marks: 50
- Duration: 60 Minutes

Question Distribution:

- Core NCERT Maths: 40 Questions
 - Smart Logic & AI: 5 Questions
 - Advanced Reasoning & HOTS: 5 Questions
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Important Note

The syllabus is based on NCERT Class 9 Mathematics with a strong emphasis on conceptual clarity, application, and analytical thinking. The Smart Logic & AI Awareness section is designed to enhance future-ready skills without requiring additional preparation.