

MAYO COLLEGE, AJMER
SUBJECT CURRICULUM (AY 2022-23)

SUBJECT - Mathematics
CLASS -IV

Exam	Concepts
Quarterly August 2022	<ol style="list-style-type: none">1. The number system2. 2-d shapes and patterns3. Numbers and sequences4. Averages5. Additions and subtractions6. 3-d shapes
Half Yearly November 2022	<ol style="list-style-type: none">1. Fractions, decimals and percentages2. Probability3. Addition and subtraction of fractions4. Angles5. Multiplication and division6. Data
Finals March 2023	<ol style="list-style-type: none">1. Ratio and proportion2. Area and perimeter3. Multiplying and dividing fractions and decimals4. Time5. Number and laws of arithmetic6. Position and direction

MAYO COLLEGE, AJMER
SUBJECT CURRICULUM (AY 2022-23)

SUBJECT - Mathematics
CLASS – V

Exam	Concepts
Quarterly August 2022	<ol style="list-style-type: none">1. The number system2. Numbers and sequences3. Averages4. Additions and subtractions5. 2-d shapes6. Fractions and percentages
Half Yearly November 2022	<ol style="list-style-type: none">1. Exploring measures2. Addition and subtraction3. Probability4. Multiplication and division5. 3-D shapes
Finals March 2023	<ol style="list-style-type: none">1. Ratio and proportion2. Angles3. Multiplication and division of fractions and decimals4. Data5. The laws of arithmetic6. Transformations

MAYO COLLEGE, AJMER
SUBJECT CURRICULUM (AY 2022-23)

SUBJECT - Mathematics
CLASS –VI

Exam	Concepts
Quarterly August 2022	<ol style="list-style-type: none">1. Integers2. Expressions, formulae and equations3. Place value and rounding4. Decimals5. Angles and constructions
Half Yearly November 2022	<ol style="list-style-type: none">1. Collecting data2. Fractions3. Shapes and symmetry4. Sequences and functions5. Percentages
Finals March 2023	<ol style="list-style-type: none">1. Graphs and functions2. Ratio and proportion3. Probability4. Position and transformation5. Shapes area and volume6. Interpreting results

MAYO COLLEGE, AJMER
SUBJECT CURRICULUM (AY 2022-23)

SUBJECT – Mathematics

CLASS –VII

Exam	Concept
Quarterly August 2022	<ol style="list-style-type: none">1. Integers2. Expressions, formulae and equations3. Sequence and functions4. Place value and rounding5. Probability
Half Yearly November 2022	<ol style="list-style-type: none">1. Angles and constructions2. Collecting data3. Fractions4. Shapes and symmetry5. Decimals
Finals March 2023	<ol style="list-style-type: none">1. Integers2. Expressions, formulae and equations3. Sequence and functions4. Place value and rounding5. Decimals6. Angles and constructions7. Collecting data8. Fractions9. Shapes and symmetry10. Probability11. Percentages12. Graphs13. Ratio and proportion14. Position and transformation15. Distance, area and volume16. Interpreting and discussing results

MAYO COLLEGE, AJMER
SUBJECT CURRICULUM (AY 2022-23)

SUBJECT – Mathematics

CLASS –VIII

Exam	Concept
Quarterly August 2022	<ol style="list-style-type: none">1. Numbers and Calculations2. Expressions and formulae3. Angles4. Statistical Investigation5. Decimals, Percentages and rounding
Half Yearly November 2022	<ol style="list-style-type: none">1. Equations and inequalities2. Shapes and measurement3. Fractions4. Sequence and functions5. Graphs
Finals March 2023	<ol style="list-style-type: none">1. Position and transformation2. Interpreting and discussing results3. Probability4. Decimals, Percentages and rounding5. Equations and inequalities6. Angles7. Statistical Investigation8. Shapes and measurement9. Sequence and functions10. Graphs11. Ratio and proportion12. Fractions13. Numbers and Calculations14. Area and symmetry15. Expressions and formulae

MAYO COLLEGE, AJMER
SUBJECT CURRICULUM (AY 2022-23)

CBSE

SUBJECT - MATHEMATICS (041)

CLASS – IX

Exam	Concepts
Periodic Assessment I July 2022	<ol style="list-style-type: none">1. Number Systems2. Polynomials3. Coordinate Geometry
Periodic Assessment II September 2022	<ol style="list-style-type: none">1. Linear Equations In Two Variables2. Lines And Angles3. Triangles4. Heron's Formula5. Euclid's Geometry
Periodic Assessment III November 2022	<ol style="list-style-type: none">1. Number Systems2. Polynomials3. Coordinate Geometry4. Linear Equations In Two Variables5. Lines And Angles6. Triangles7. Heron's Formula8. Euclid's Geometry
Finals February 2023	<ol style="list-style-type: none">1. Number Systems2. Polynomials3. Coordinate Geometry4. Linear Equations In Two Variables5. Lines And Angles6. Triangles7. Heron's Formula8. Euclid's Geometry9. Quadrilaterals10. Circles11. Surface Areas And Volumes12. Statistics13. Probability

MAYO COLLEGE, AJMER

SUBJECT CURRICULUM (AY 2022-23)

CAMBRIDGE IGCSE

SUBJECT –MATHEMATICS (0580)

CLASS – IX

Exam	Unit	Concept
Periodic Assessment I July 2022	Number	<ol style="list-style-type: none">1. Number and Language2. Accuracy3. Calculations and orders
	Algebra	<ol style="list-style-type: none">4. Algebraic representation and manipulation5. Algebraic indices
Periodic Assessment II September 2022	Number	<ol style="list-style-type: none">1. Integers, fractions, decimals and percentage2. Further Percentages3. Ratio and Proportion
	Algebra	<ol style="list-style-type: none">4. Equations and inequalities5. Sequences6. Proportion
	Geometry	<ol style="list-style-type: none">7. Geometry vocabulary and construction
Periodic Assessment III November 2022	Number	<ol style="list-style-type: none">1. Money and Finance2. Time

	Coordinate Geometry	3. Straight line graphs
	Mensuration	4. Measures 5. Perimeter, area and volume
Finals February 2023	Statistics	1. Mean, median, mode and range 2. Collecting, displaying and interpreting data 3. Cumulative frequency
	All the previous concepts completed till Periodic Assessment-III	

MAYO COLLEGE, AJMER
MATH CURRICULUM (AY 2022-23)
CBSE
SUBJECT – Mathematics (041)
CLASS – X

Exam	Curriculum
Periodic Assessment I July 2022	<ol style="list-style-type: none">1. Real Numbers2. Polynomials3. Pair of Linear Equations in Two Variables4. Quadratic Equations5. Arithmetic Progressions
Periodic Assessment II September 2022	<ol style="list-style-type: none">1. Arithmetic Progressions2. Triangles3. Coordinate Geometry4. Introduction to Trigonometry5. Some Applications of Trigonometry6. Circles
Half Yearly November 2022	<ol style="list-style-type: none">1. Real Numbers2. Polynomials3. Pair of Linear Equations in Two Variables4. Quadratic Equations5. Arithmetic Progressions6. Triangles7. Coordinate Geometry8. Introduction to Trigonometry9. Some Applications of Trigonometry10. Circles11. Constructions12. Areas Related to Circles13. Surface Areas and Volumes14. Statistics15. Probability

<p>Pre Board I January 2023</p>	<ol style="list-style-type: none"> 1. Real Numbers 2. Polynomials 3. Pair of Linear Equations in Two Variables 4. Quadratic Equations 5. Arithmetic Progressions 6. Triangles 7. Coordinate Geometry 8. Introduction to Trigonometry 9. Some Applications of Trigonometry 10. Circles 11. Constructions 12. Areas Related to Circles 13. Surface Areas and Volumes 14. Statistics 15. Probability
<p>Pre Board II February 2023</p>	<ol style="list-style-type: none"> 1. Real Numbers 2. Polynomials 3. Pair of Linear Equations in Two Variables 4. Quadratic Equations 5. Arithmetic Progressions 6. Triangles 7. Coordinate Geometry 8. Introduction to Trigonometry 9. Some Applications of Trigonometry 10. Circles 11. Constructions 12. Areas Related to Circles 13. Surface Areas and Volumes 14. Statistics 15. Probability

MAYO COLLEGE, AJMER
MATH CURRICULUM (AY 2022-23)
 CBSE
 SUBJECT - MATHEMATICS (041)
 CLASS – XI

Exam	Concepts
Periodic Assessment I July 2022	1. Sets 2. Relations and Functions 3. Trigonometry
Periodic Assessment II September 2022	1. Trigonometry 2. Complex Numbers 3. Linear Inequalities 4. Permutations and Combinations 5. Binomial Theorem
Periodic Assessment III November 2022	1. Sets 2. Relations and Functions 3. Trigonometry 4. Complex Numbers 5. Linear Inequalities 6. Permutations and Combinations 7. Binomial Theorem 8. Sequence and Series 9. Straight Lines 10. Conic Section
Finals February 2023	1. Sets 2. Relations and Functions 3. Trigonometry 4. Complex Numbers 5. Linear Inequalities 6. Permutations and Combinations 7. Binomial Theorem 8. Sequence and Series 9. Straight Lines 10. Conic Section 11. Introduction to Three-dimensional Geometry 12. Limits and Derivatives 13. Statistics 14. Probability

MAYO COLLEGE, AJMER
MATH CURRICULUM (AY 2022-23)

CBSE

SUBJECT – APPLIED MATHEMATICS (241)

CLASS – XI

Exam	Concepts
Periodic Assessment I July 2022	<ol style="list-style-type: none">1. Binary Numbers2. Indices, Logarithm and Antilogarithm3. Averages4. Time, Work and Distance5. Mensuration
Periodic Assessment II September 2022	<ol style="list-style-type: none">1. Sets2. Relation3. Sequences and Series4. Permutations and Combination
Periodic Assessment III November 2022	<ol style="list-style-type: none">1. Binary Numbers2. Indices, Logarithm and Antilogarithm3. Averages4. Time, Work and Distance5. Mensuration6. Sets7. Relation8. Sequences and Series9. Permutations and Combination10. Probability11. Statistics
Finals February 2023	<ol style="list-style-type: none">1. Binary Numbers2. Indices, Logarithm and Antilogarithm3. Averages4. Time, Work and Distance5. Mensuration6. Sets7. Relation8. Sequences and Series9. Permutations and Combination10. Probability11. Statistics12. Financial Mathematics13. Coordinate Geometry14. Calculus

MAYO COLLEGE, AJMER
MATH CURRICULUM (AY 2022-23)
CBSE
SUBJECT - Applied Mathematics (241)
CLASS – XII

Exam	Curriculum
Periodic Assessment I July 2022	<ol style="list-style-type: none"> 1. Matrices 2. Determinants 3. Derivatives
Periodic Assessment II September 2022	<ol style="list-style-type: none"> 1. Application of Derivatives 2. Integration 3. Application of Integration 4. Differential Equation
Half Yearly November 2022	<ol style="list-style-type: none"> 1. Probability 2. Statistics 3. Numbers, Quantification and Numerical Applications
Pre Board I January 2023	<ol style="list-style-type: none"> 1. Matrices 2. Determinants 3. Derivatives 4. Application of Derivatives 5. Integration 6. Application of Integration 7. Differential Equation 8. Probability 9. Statistics 10. Numbers, Quantification and Numerical Applications 11. Inferential Statistics 12. Index Numbers And Time Based Data 13. Financial Mathematics 14. Linear Programming
Pre Board II February 2023	<ol style="list-style-type: none"> 1. Matrices 2. Determinants 3. Derivatives 4. Application of Derivatives 5. Integration 6. Application of Integration 7. Differential Equation 8. Probability 9. Statistics 10. Numbers, Quantification and Numerical Applications 11. Inferential Statistics 12. Index Numbers and Time Based Data 13. Financial Mathematics 14. Linear Programming

MAYO COLLEGE, AJMER
MATH CURRICULUM (AY 2022-23)
CBSE
SUBJECT – Mathematics (041)
CLASS – XII

Exam	Curriculum
Periodic Assessment I July 2022	<ul style="list-style-type: none"> • Matrices • Determinants • Inverse Trigonometric Functions • Continuity and Differentiability • Application of Derivatives
Periodic Assessment II September 2022	<ul style="list-style-type: none"> • Integration • Application of Integration • Differential Equation • Vectors
Half Yearly November 2022	<ul style="list-style-type: none"> • Three-Dimensional Geometry • Linear Programming • Probability • Relation and Functions
Pre Board I January 2023	<ul style="list-style-type: none"> • Matrices • Determinants • Inverse Trigonometric Functions • Continuity and Differentiability • Application of Derivatives • Integration • Application of Integration • Differential Equation • Vectors • Three-Dimensional Geometry • Linear Programming • Probability • Relation and Functions
Pre Board II February 2023	<ul style="list-style-type: none"> • Matrices • Determinants • Inverse Trigonometric Functions • Continuity and Differentiability • Application of Derivatives • Integration • Application of Integration • Differential Equation • Vectors • Three-Dimensional Geometry • Linear Programming • Probability • Relation and Functions