

Class Nine Academic Program-2024

Final Preparation Course

Math-Science

Class & Exam Routine (English Version)

Date & Day	Revision Live Class (05:30pm -07:30pm)	Chapter Wise Revision Exam	Online: (9:00am – 11:00pm)
			Offline (9:00am – 5:00pm)
18 October 2024 (Friday)	Math (M- 01+02)		--
19 October 2024 (Saturday)	Science (S- 01+02)		--
21 October 2024 (Monday)	--	Chapter Wise Revision Exam (M- 01+02) MCQ (15×1=15); 15Min & Written (45 Marks);1h 15 min	
24 October 2024 (Thursday)	--	Chapter Wise Revision Exam (S- 01+02) MCQ (15×1=15); 15Min & Written (45 Marks); 1h 15 min	
25 October 2024 (Friday)	Math (M- 03+04)		--
26 October 2024 (Saturday)	Science (S- 03+04)		--
28 October 2024 (Monday)	--	Chapter Wise Revision Exam (M- 03+04) MCQ (15×1=15); 15Min & Written (45 Marks); 1h 15min	
31 October 2024 (Thursday)	--	Chapter Wise Revision Exam (S- 03+04) MCQ (15×1=15); 15Min & Written (45 Marks); 1h 15 min	
01 November 2024 (Friday)	Math (M- 05+06)		--
02 November 2024 (Saturday)	Science (S- 05+06)		--
04 November 2024 (Monday)	--	Chapter Wise Revision Exam (M- 05+06) MCQ (15×1=15); 15Min & Written (45 Marks); 1h 15min	
07 November 2024 (Thursday)	--	Chapter Wise Revision Exam (S- 05+06) MCQ (15×1=15); 15Min & Written (45 Marks); 1h 15 min	
08 November 2024 (Friday)	Math (M- 07+08)		--
09 November 2024 (Saturday)	Science (S- 07+08)		--
11 November 2024 (Monday)	--	Chapter Wise Revision Exam (M- 07+08) MCQ (15×1=15); 15Min & Written (45 Marks); 1h 15min	
14 November 2024 (Thursday)	--	Chapter Wise Revision Exam (S- 07+08) MCQ (15×1=15); 15Min & Written (45 Marks); 1h 15 min	
15 November 2024 (Friday)	Math (M- 09+10)		--
16 November 2024 (Saturday)	Science (S- 09+10)		--
18 November 2024 (Monday)	--	Chapter Wise Revision Exam (M- 09+10) MCQ (15×1=15); 15Min & Written (45 Marks); 1h 15min	
21 November 2024 (Thursday)	--	Chapter Wise Revision Exam (S- 09+10) MCQ (15×1=15); 15Min & Written (45 Marks); 1h 15 min	

Subject Final Exam

Date & Day	Subject & Syllabus	Exam Name & Time	Set
28 November 2024(Thursday)	Science (S-01 to S-10)	Science Subject Final Exam; MCQ & Written Exam (100 Marks); 3 hours	MCQ 01 Set & Written 01 Set
30 November 2024(Saturday)	Math (M-01 to M-10)	Math Subject Final Exam; MCQ & Written Exam (100 Marks); 3 hours	

Math Syllabus

Chapter	Lecture	Lecture wise Discussed Topics
Chapter-02: Sequence and Series	M-01	Sequences and Series, Two interesting Games, Classification of Sequences, Arithmetic Sequence, Finding the general term or nth term of an arithmetic sequence, Geometric Sequence, Case-01: Lily's Weekly Savings Sequence, Case-02: Spreading of virus, Geometric Sequence, Sum of first n terms of a geometric sequence.
	M-02	Fibonacci Sequence, Fibonacci Sequence in Nature, Fibonacci Rectangle, Sum of arithmetic series, formula for finding sum of arithmetic series, The sum of infinite terms of a geometric series.
Chapter-03: Concept and Application of Logarithm	M-03	Concept of exponent, formula, nth root, concept of log, limitation of base of log, Types of logarithm, Formulas related to Logarithm Formula(1,2,3,4,5,6,7,8,9,10)
	M-04	Uses of logarithm, logarithm in measuring magnitude of earthquakes, Group Work/ Application of logarithm, Measuring intensity of sound using logarithm.
Chapter-05: System of Equations in Real World Problems	M-05	Simultaneous equations in solving practical problems, solving Setu's problems, Consistency of two simultaneous linear equations, Algebraic Observations, Methods of Solving simultaneous linear Equations in Two Variables, Solving by Graphical Method, Solving by Substitution Method, Solving by Elimination Method, Solving by Cross Multiplication Method.
	M-06	Linear and Quadratic Equations in Two Variables, Quadratic Equations in One Variable, Solution method of Quadratic Equations in One Variable, Solving by middle-term expansion, solving by general method, Solving quadratic equations with graphs, Team Project: Finding the amount of supply based on demand Pair Work, Mathematical Problem Solving.
Chapter-06: Trigonometry in Measurement	M-07	Chapter-06: Trigonometry in Measurement (Full)
Chapter-07: Trigonometry for Angular Distance	M-08	Chapter-07: Trigonometry for Angular Distance (Full)
Chapter-09: Measures of Dispersion	M-09	Range, Use of range in daily life, Average, Median (with class interval), Mode, Mean Deviation, Determination of the mean deviation of uncategorized data .
	M-10	Determining the mean deviation of unstructured or uncategorized data using formula, find the mean deviation of categorical data, Variance, Standard Deviation.

Science Syllabus

Experience Name	Lecture	Lecture wise Discussed Topics
Science at a Playground	S-01	Chapter-01: Force, Pressure and Energy (1.1 to 1.3)
	S-02	Chapter-01: Force, Pressure and Energy (1.4 to 1.7)
Air pollution	S-03	Chapter-04: States of Matter (4.1 to 4.4)
	S-04	Chapter-05: Structure of Matter (5.1 to 5.7)
	S-05	Chapter-06: Periodic Table (6.1 to 6.6)
	S-06	Chapter-07: Chemical Bonds (7.1 to 7.5)
My Genealogy	S-07	Chapter-08: Genetics and Heredity (8.1 to 8.4)
	S-08	Chapter-09: Bio molecules (9.1 to 9.6)
Many Types of Houses	S-09	Chapter-14: The Environment and Landforms (14.1 to 14.5)
	S-10	Chapter-02: Temperature and Heat (2.1 to 2.6)



উদ্বাস

একাডেমিক এন্ড এডমিশন কেয়ার

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