

Class Nine

Academic Program-2024 (Online)

This Routine is for
English Version Students

Math-Science Routine-02

Date & Day	Live Class-01 (3:30 pm - 4:30 pm)	Live Class-02 (4:40 pm - 5:40 pm)	Live Exam (10 AM to 10 PM)
21 May 2024 (Tuesday)	Math (M-24)	Math (M-25)	Live Exam (S-24) MCQ (10×1=10); 10 min. Live Exam (S-25) MCQ (10×1=10); 10 min.
26 May 2024 (Sunday)	Science (S-26)	Science (S-27)	Live Exam (M-24) MCQ (10×1=10); 10 min. Live Exam (M-25) MCQ (10×1=10); 10 min.
28 May 2024 (Tuesday)	Math (M-26)	Math (M-27)	Live Exam (S-26) MCQ (10×1=10); 10 min. Live Exam (S-27) MCQ (10×1=10); 10 min.
02 June 2024 (Sunday)	Science (S-28)	Science (S-29)	Live Exam (M-26) MCQ (10×1=10); 10 min. Live Exam (M-27) MCQ (10×1=10); 10 min.
04 June 2024 (Tuesday)	Math (M-28)	Math (M-29)	Live Exam (S-28) MCQ (10×1=10); 10 min. Live Exam (S-29) MCQ (10×1=10); 10 min.
09 June 2024 (Sunday)	Science (S-30)	Science (S-31)	Live Exam (M-28) MCQ (10×1=10); 10 min. Live Exam (M-29) MCQ (10×1=10); 10 min.
10 June 2024 (Monday) Chapterwise Exam-09 Science – Chapter 06 (Periodic Table) MCQ (10×1=10); 10 min, written (30 marks); 40 min.			
11 June 2024 (Tuesday)	Math (M-30)	Math (M-31)	Live Exam (S-30) MCQ (10×1=10); 10 min. Live Exam (S-31) MCQ (10×1=10); 10 min.
All Classes & Exams will remain closed from 12th June to 24th June 2024 Due to 'Eid-UI-Adha'			
25 June 2024 (Tuesday)	Math (M-32)	Math (M-33)	Live Exam (M-30) MCQ (10×1=10); 10 min. Live Exam (M-31) MCQ (10×1=10); 10 min.
30 June 2024 (Sunday)	Science (S-32)	Science (S-33)	Live Exam (M-32) MCQ (10×1=10); 10 min. Live Exam (M-33) MCQ (10×1=10); 10 min.
01 July 2024 (Monday) Chapterwise Exam-10 Math – Chapter 04 (Polynomial Expression in Nature and Technology) MCQ (10×1=10); 10 min, written (30 marks); 40 min.			
02 July 2024 (Tuesday)	Math (M-34)	Math (M-35)	Live Exam (S-32) MCQ (10×1=10); 10 min. Live Exam (S-33) MCQ (10×1=10); 10 min.
07 July 2024 (Sunday)	Science (S-34)	Science (S-35)	Live Exam (M-34) MCQ (10×1=10); 10 min. Live Exam (M-35) MCQ (10×1=10); 10 min.
09 July 2024 (Tuesday)	Math (M-36)	Math (M-37)	Live Exam (S-34) MCQ (10×1=10); 10 min. Live Exam (S-35) MCQ (10×1=10); 10 min.
14 July 2024 (Sunday)	Science (S-36)	Science (S-37)	Live Exam (M-36) MCQ (10×1=10); 10 min. Live Exam (M-37) MCQ (10×1=10); 10 min.
15 July 2024 (Monday) Chapterwise Exam-15 Science – Chapter 07 (Chemical Bonds) MCQ (10×1=10); 10 min, written (30 marks); 40 min.			
16 July 2024 (Tuesday)	Math (M-38)	Math (M-39)	Live Exam (S-36) MCQ (10×1=10); 10 min. Live Exam (S-37) MCQ (10×1=10); 10 min.
21 July 2024 (Sunday)	Science (S-38)	Science (S-39)	Live Exam (M-38) MCQ (10×1=10); 10 min. Live Exam (M-39) MCQ (10×1=10); 10 min.
23 July 2024 (Tuesday)	Math (M-40)	Math (M-41)	Live Exam (S-38) MCQ (10×1=10); 10 min. Live Exam (S-39) MCQ (10×1=10); 10 min.
28 July 2024 (Sunday)	Science (S-40)	Science (S-41)	Live Exam (M-40) MCQ (10×1=10); 10 min. Live Exam (M-41) MCQ (10×1=10); 10 min.
29 July 2024 (Monday) Chapterwise Exam-12 Science – Chapter 08 (Genetics and Heredity) MCQ (10×1=10); 10 min, written (30 marks); 40 min.			
30 July 2024 (Tuesday)	Math (M-42)	Math (M-43)	Live Exam (S-40) MCQ (10×1=10); 10 min. Live Exam (S-41) MCQ (10×1=10); 10 min.
04 August 2024 (Sunday)	Science (S-42)	Science (S-43)	Live Exam (M-42) MCQ (10×1=10); 10 min. Live Exam (M-43) MCQ (10×1=10); 10 min.
05 August 2024 (Monday) Chapterwise Exam-13 Math – Chapter 05 (System of Equations in Real World Problems) MCQ (10×1=10); 10 min, written (30 marks); 40 min.			
06 August 2024 (Tuesday)	Math (M-44)	Math (M-45)	Live Exam (S-42) MCQ (10×1=10); 10 min. Live Exam (S-43) MCQ (10×1=10); 10 min.
11 August 2024 (Sunday)	Science (S-44)	Science (S-45)	Live Exam (M-44) MCQ (10×1=10); 10 min. Live Exam (M-45) MCQ (10×1=10); 10 min.
13 August 2024 (Tuesday)	Math (M-46)	Math (M-47)	Live Exam (S-44) MCQ (10×1=10); 10 min. Live Exam (S-45) MCQ (10×1=10); 10 min.
18 August 2024 (Sunday)	Science (S-46)	Science (S-47)	Live Exam (M-46) MCQ (10×1=10); 10 min. Live Exam (M-47) MCQ (10×1=10); 10 min.
19 August 2024 (Monday) Chapterwise Exam-14 Science – Chapter 09 (Bio molecules) MCQ (10×1=10); 10 min, written (30 marks); 40 min.			
20 August 2024 (Tuesday)	Math (M-48)	Math (M-49)	Live Exam (S-46) MCQ (10×1=10); 10 min. Live Exam (S-47) MCQ (10×1=10); 10 min.

Routine – 03 Coming...

Math Syllabus

Chapter	Lecture	Lecture wise Discussed Topics
Chapter-04: Polynomial Expression in Nature and Technology	M-24	Polynomial Expressions of two variables, General form of polynomials with two variables, Polynomials of three variables General form of polynomial Expressions with three variables
	M-25	Polynomials with special characteristics, Homogeneous Polynomial, Symmetric Polynomial, Cyclic Polynomial
	M-26	Addition, Subtraction, Multiplication of Polynomials
	M-27	Division of Polynomials, General Characteristics of Division Process, Remainder Theorem
	M-28	Factorization, Factor theorem, Common Factor
	M-29	The product of Perfect Square Expression, the factorization of expressions expressed as the difference of two squares, Factorization of quadratic expressions
	M-30	Factorization through splitting of middle term, factorization by general way
	M-31	Factorization of sum of two cubic expressions, Factorization of difference of two cubic expressions Partial Fractions (Part-01)
	M-32	Partial Fractions (Part-02), Methods of converting proper fractions
	Chapter-05: System of Equations in Real World Problems	M-33
M-34		Algebraic Observations, Methods of Solving simultaneous linear Equations in Two Variables, Solving by Graphical Method
M-35		Solving by Substitution Method
M-36		Solving by Elimination Method, Solving by Cross Multiplication Method
M-37		Linear and Quadratic Equations in Two Variables, Quadratic Equations in One Variable, Solution method of Quadratic Equations in One Variable
M-38		Solving by middle-term expansion, solving by general method
M-39		Solving quadratic equations with graphs
M-40		Team Project: Finding the amount of supply based on demand Pair Work, Mathematical Problem Solving
Chapter-06: Trigonometry in Measurement	M-41	Concept of trigonometry, Introduction to different sides and angles of right angled triangle
	M-42	Different ratios of sides with respect to angles between hypotenuses and adjacent sides of right triangles, names of different ratios with respect to certain angles
	M-43	Values of trigonometric ratios in reference to different angles, For angle 45°, For 30° and 60° acute angles
	M-44	For 0° angle, For 90° angle
	M-45	Use of calculator to determine trigonometric ratios in reference to various angles Group work/project, elevation and depression angle
	M-46	Angles of elevation and depression in reference to a Particular point of a particular side
	M-47	Importance of measuring Trigonometric Ratio
	M-48	Distance and height related life problems and solutions
Chapter-07:	M-49	Measurement of trigonometric angle Degree, Radian

Science Syllabus

Chapter	Lecture	Lecture wise Discussed Topics
Chapter-06: Periodic Table	S-26	Concept and background of periodic table, Characteristics of Periodic Table
	S-27	Determining the position of Elements in the Periodic Table, Some Exceptions to the Periodic Table
	S-28	Periodic Properties of Elements
	S-29	Periodic Properties of Elements, Importance of Periodic Table
Chapter-07: Chemical Bonds	S-30	Valency, Radicals
	S-31	Chemical formula of compound
	S-32	Inert Gas and Stability, Chemical Bond
	S-33	Ionic bond, Metallic bond
	S-34	Covalent bond
	S-35	Ores, Extraction of metals and Alloys
Chapter-08: Genetics and Heredity	S-36	Genetics
	S-37	Gregor Johann Mendel and his research
	S-38	Observation of dominant and recessive characteristics in living organisms (up to the end of Mendel's First Law)
	S-39	Observation of dominant and recessive characteristics in organisms (Mendel's second law), Relationship between Genetics and Heredity
Chapter-09: Bio molecules	S-40	Biomolecule
	S-41	Carbohydrates
	S-42	Nucleic acid, DNA
	S-43	RNA
	S-44	Protein
	S-45	Lipids, Interrelationship of Biomolecules
Chapter-10: Photosynthesis	S-46	Photosynthesis, The conversion of Solar energy into Chemical energy
	S-47	The site of Photosynthetic Process



উদ্ভাস

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