Class Nine Academic Program 2025

[New Batch- Online]

Class & Exam Routine Part- 01 [English Version]

Date & Day	Live Class- 01 (6:45pm- 7:45pm)	Live Class- 02 (9:15pm-10:15pm)	Live Exam Online: 9:00am to 11:55pm
20 April 2025 (Sunday)	(B-03); Biology: Chapter-02	(HM-09); H.Math: Chapter-02	Basic Introductory Exam
21 April 2025 (Monday)	(B-04); Biology: Chapter-02	(M-09); Math: Chapter-03	Daily Live Exam (B-03) MCQ (10×1=10); 10 min. Daily Live Exam (HM-09) MCQ (10×1=10); 10 min.
22 April 2025 (Tuesday)	(C-03); Chemistry: Chapter-02	(HM-10); H.Math: Chapter-02	Daily Live Exam (B-04) MCQ (10×1=10); 10 min. Daily Live Exam (M-09) MCQ (10×1=10); 10 min.
23 April 2025 (Wednesday)	(C-04); Chemistry: Chapter-02	(P-03); Physics: Chapter-02	Daily Live Exam (C-03) MCQ (10×1=10); 10 min. Daily Live Exam (HM-10) MCQ (10×1=10); 10 min.
24 April 2025 (Thursday)	(M-10); Math: Chapter-03	(P-04); Physics: Chapter-02	Daily Live Exam (C-04) MCQ (10×1=10); 10 min. Daily Live Exam (P-03) MCQ (10×1=10); 10 min.
27 April 2025 (Sunday)	(B-05); Biology: Chapter-02	(HM-11); H.Math: Chapter-02	Daily Live Exam (M-10) MCQ (10×1=10); 10 min. Daily Live Exam (P-04) MCQ (10×1=10); 10 min.
28 April 2025 (Monday)	(B-06); Biology: Chapter-02	(M-11); Math: Chapter-03	Daily Live Exam (B-05) MCQ (10×1=10); 10 min. Daily Live Exam (HM-11) MCQ (10×1=10); 10 min.
29 April 2025 (Tuesday)	(C-05); Chemistry: Chapter-02	(HM-12); H.Math: Chapter-02	Daily Live Exam (B-06) MCQ (10×1=10); 10 min. Daily Live Exam (M-11) MCQ (10×1=10); 10 min.
30 April 2025 (Wednesday)	(C-06); Chemistry: Chapter-02	(P-05); Physics: Chapter-02	Daily Live Exam (C-05) MCQ (10×1=10); 10 min. Daily Live Exam (HM-12) MCQ (10×1=10); 10 min.
01 May 2025 (Thursday)	(M-12); Math: Chapter-03	(P-06); Physics: Chapter-02	Daily Live Exam (C-06) MCQ (10×1=10); 10 min. Daily Live Exam (P-05) MCQ (10×1=10); 10 min.
02 May 2025 (Friday) Chapter Wise Exam: Chemistry- Chapter- 02 (States of Matter) MCQ (10×1=10); 10 min & CQ/ Written (30 marks); 1 hour.			
04 May 2025 (Sunday)	(B-07); Biology: Chapter-02	(HM-13); H.Math: Chapter-02	Daily Live Exam (M-12) MCQ (10×1=10); 10 min. Daily Live Exam (P-06) MCQ (10×1=10); 10 min.
05 May 2025 (Monday)	(B-08); Biology: Chapter-02	(M-13); Math: Chapter-03	Daily Live Exam (B-07) MCQ (10×1=10); 10 min. Daily Live Exam (HM-13) MCQ (10×1=10); 10 min.
06 May 2025 (Tuesday)	(C-07); Chemistry: Chapter-03	(HM-14); H.Math: Chapter-02	Daily Live Exam (B-08) MCQ (10×1=10); 10 min. Daily Live Exam (M-13) MCQ (10×1=10); 10 min.
07 May 2025 (Wednesday)	(C-08); Chemistry: Chapter-03	(P-07); Physics: Chapter-02	Daily Live Exam (C-07) MCQ (10×1=10); 10 min. Daily Live Exam (HM-14) MCQ (10×1=10); 10 min.
08 May 2025 (Thursday)	(M-14); Math: Chapter-03	(P-08); Physics: Chapter-02	Daily Live Exam (C-08) MCQ (10×1=10); 10 min. Daily Live Exam (P-07) MCQ (10×1=10); 10 min.
09 May 2025 (Friday) Chapter Wise Exam: H.Math- Chapter- 02 (Algebraic Expression) MCQ (10×1=10); 10 min & CQ/ Written (30 marks); 1 hour.			
11 May 2025 (Sunday)	(B-09); Biology: Chapter-02	(HM-15); H.Math: Chapter-03	Daily Live Exam (M-14) MCQ (10×1=10); 10 min. Daily Live Exam (P-08) MCQ (10×1=10); 10 min.
12 May 2025 (Monday)	(B-10); Biology: Chapter-02	(M-15); Math: Chapter-03	Daily Live Exam (B-09) MCQ (10×1=10); 10 min. Daily Live Exam (HM-15) MCQ (10×1=10); 10 min.
13 May 2025 (Tuesday)	(C-09); Chemistry: Chapter-03	(HM-16); H.Math: Chapter-03	Daily Live Exam (B-10) MCQ (10×1=10); 10 min. Daily Live Exam (M-15) MCQ (10×1=10); 10 min.
14 May 2025 (Wednesday)	(C-10); Chemistry: Chapter-03	(P-09); Physics: Chapter-02	Daily Live Exam (C-09) MCQ (10×1=10); 10 min. Daily Live Exam (HM-16) MCQ (10×1=10); 10 min.
15 May 2025 (Thursday)	(M-16); Math: Chapter-03	(P-10); Physics: Chapter-02	Daily Live Exam (C-10) MCQ (10×1=10); 10 min. Daily Live Exam (P-09) MCQ (10×1=10); 10 min.
16 May 2025 (Friday) Chapter Wise Exam: Biology- Chapter- 02 (Cells and Tissues of Organisms) MCQ (10×1=10); 10 min & CQ/ Written (30 marks); 1 hour.			
18 May 2025 (Sunday)	(B-01); Biology: Chapter-01	(HM-17); H.Math: Chapter-03	Daily Live Exam (M-16) MCQ (10×1=10); 10 min. Daily Live Exam (P-10) MCQ (10×1=10); 10 min.
19 May 2025 (Monday)	(B-02); Biology: Chapter-01	(M-01); Math: Chapter-01	Daily Live Exam (B-01) MCQ (10×1=10); 10 min. Daily Live Exam (HM-17) MCQ (10×1=10); 10 min.
20 May 2025 (Tuesday)	(C-11); Chemistry: Chapter-03	(HM-18); H.Math: Chapter-03	Daily Live Exam (B-02) MCQ (10×1=10); 10 min. Daily Live Exam (M-01) MCQ (10×1=10); 10 min.
21 May 2025 (Wednesday)	(C-12); Chemistry: Chapter-03	(P-01); Physics: Chapter-01	Daily Live Exam (C-11) MCQ (10×1=10); 10 min. Daily Live Exam (HM-18) MCQ (10×1=10); 10 min.
22 May 2025 (Thursday)	(M-02); Math: Chapter-01	(P-02); Physics: Chapter-01	Daily Live Exam (C-12) MCQ (10×1=10); 10 min. Daily Live Exam (P-01) MCQ (10×1=10); 10 min.
23 May 2025 (Friday) Chapter Wise Exam: Physics- Chapter- 02 (Motion) MCQ (10×1=10); 10 min & CQ/ Written (30 marks); 1 hour.			
24 May 2025 (Saturday) Chapter Wise Exam: Math- Chapter- 03 (Algebraic Expression) MCQ (10×1=10); 10 min & CQ/ Written (30 marks); 1 hour.			
25 May 2025 (Sunday)	(B-11); Biology: Chapter-03	(HM-19); H.Math: Chapter-03	Daily Live Exam (M-02) MCQ (10×1=10); 10 min. Daily Live Exam (P-02) MCQ (10×1=10); 10 min.

26 May 2025 (Monday)	**(B-12); Biology: Chapter-03**	**(M-03); Math: Chapter-01**	Daily Live Exam **(B-11) MCQ** (10×1=10); 10 min. Daily Live Exam **(HM-19) MCQ** (10×1=10); 10 min.
27 May 2025 (Tuesday)	**(C-01); Chemistry: Chapter-01**	**(HM-20); H.Math: Chapter-03**	Daily Live Exam **(B-12) MCQ** (10×1=10); 10 min. Daily Live Exam **(M-03) MCQ** (10×1=10); 10 min.
28 May 2025 (Wednesday)	**(C-02); Chemistry: Chapter-01**	**(P-11); Physics: Chapter-03**	Daily Live Exam **(C-01) MCQ** (10×1=10); 10 min. Daily Live Exam **(HM-20) MCQ** (10×1=10); 10 min.
29 May 2025 (Thursday)	**(M-04); Math: Chapter-01**	**(P-12); Physics: Chapter-03**	Daily Live Exam **(C-02) MCQ** (10×1=10); 10 min. Daily Live Exam **(P-11) MCQ** (10×1=10); 10 min.
30 May 2025 (Friday) Chapter Wise Exam: H.Math- Chapter- 03 (Geometry) MCQ (10×1=10); 10 min & CQ/ Written (30 marks); 1 hour.			
31 May 2025 (Saturday) Chapter Wise Exam: Biology- Chapter- 01 (Lessons of Life) MCQ (10×1=10); 10 min & CQ/ Written (30 marks); 1 hour.			
Next Class & Exam Routine will be published at (Part-02) ...			

Online Class & Exam System:

- Scan the QR code below to attend classes and exams or visit **online.udvash-unmesh.com** and **login** using the registration number provided.
- You can appear once between **9 am** to **11:55pm** as per date mentioned in **daily exam** routine.
  However, for more practice, students can participate in the **Practice Exam** of the same syllabus multiple times.
- Use the **Past Class** option to view recorded videos and PDFs of daily classes.
- **Q&A** option can be used 24/7 to solve any subject related problems after the class.
- All those admitted in the 'Combo Batch' can participate in the Chapter wise exams online as well as in any nearby branch.
- Join our Facebook group **(https://www.facebook.com/groups/class6789.udvashunmesh)** to get all information in time.

Physics		
Chapter	**Lecture**	**Syllabus**
Chapter-02 **Motion**	**P-03**	Rest and Motion, Different Types of Motion (Linear Motion, Circular Motion, Translational Motion, Periodic Motion, Simple Harmonic Motion)
	P-04	Scalars and Vectors Quantities, Distance and Displacement
	P-05	Speed and Velocity, Acceleration and Deceleration or Retardation
	P-06	Equations of Motion
	P-07	Laws of Falling Bodies
	P-08	Graph related problem
	P-09	Mathematical problems
	P-10	Mathematical problems
Chapter-01 **Physical Quantities and Their Measurements**	**P-01**	Physics, Scope of Physics, Development of Physics, Initial Stage, Rising Stage of Science, Introduction to Modern Physics, Contemporary Physics, Contributions of Jagadish Chandra Bose, Objectives of Physics, Unfold the Mystery of Nature, To Know the Laws of Nature, Development of Technology Using the Laws of Nature,
	P-02	Physical Quantities and Their Measurements, Units of Measurements, Prefix, Dimension, Scientific Symbols and Notations Measuring Instruments, Scale or Ruler, Balance, Stop Watch, Vernier Calipers, Screw Gauge, Error and Accuracy.
Chapter-03 **Force**	**P-11**	Inertia and Concept of Force: Newton's First Law, Inertia, Force
	P-12	Nature of Fundamental Force, Gravitational Force, Electromagnetic Force, Weak Nuclear Force or Weak force, Strong Nuclear Force, Balanced and Unbalanced Forces, Momentum

Chemistry		
Chapter	**Lecture**	**Syllabus**
Chapter-02 **States of Matter**	**C-03**	Matter & States of matter, *Intermolecular force & energy, atomic mass (chart) + molecular mass.
	C-04	Kinetic theory of particles & *postulates of kinetic theory, Diffusion, Effusion.
	C-05	Burning of a candle & the three states of wax, Melting & Boiling, Distillation & Sublimation, Graph of applying heat & mathematical explanation.

	C-06	Heating & cooling curve due to application of heat, Sublimation curve, Diffusion, Effusion (Revision).
Chapter-03 **Structure of Matter**	**C-07**	Elements and Compounds, Atoms and Molecules, Symbols of Elements, Formula, The fundamental particles of an atom, Atomic Number, Mass Number.
	C-08	Atomic Model, Rutherford's Atomic Model, Limitations of Rutherford's Model.
	C-09	Bohr's Atomic Model, Success and Limitations of Bohr's Model.
	C-10	Orbital Electronic Configuration of Atoms, Concept of Energy Sublevel, The Principles of Electronic Configuration in Atoms, Example.
	C-11	The Principles of Electronic Configuration in Atoms (Revision), Some Exceptions in Electronic Configuration.
	C-12	Isotopes, Atomic Mass or Relative Atomic Mass, Determining the Average Relative Mass of an Element from Percentage of Isotope, Getting the Relative Molecular Mass from Relative Atomic Mass, Radioactive Isotopes and Their Uses, Medical Science, Agriculture Sector, Generation of Electricity, Impact of Radioactive Isotope.
Chapter-01 **Concepts of Chemistry**	**C-01**	Introduction to chemistry, the scopes of chemistry, Relationship between chemistry & other branches of science, the importance of studying chemistry.
	C-02	The process of research in chemistry, Steps in research in chemistry, Safety measures in chemistry laboratory and in use of chemicals.

Math		
Chapter	**Lecture**	**Syllabus**
Chapter-03 **Algebraic Expression**	**M-09**	Algebraic Expressions, Algebraic Formulae, Examples of 3.1, Exercises – 3.1 (1, 2).
	M-10	Exercise 3.1 (3-15).
	M-11	Formula of Cubes, Corollary, Works, Exercises - 3.2 (1, 2).
	M-12	Exercise – 3.2 (3-15).
	M-13	Reducing Fractions, Fractions with Common Denominators, resolving into factors, Techniques for determining factors, work, Exercise-3.3 (1-15)
	M-14	Exercise-3.3 (16-25).
	M-15	Exercise-3.3 (26-31), concept of remainder theorem, concept of factorization theorem, example, Work, Addition and subtraction of algebraic fractions and equation.
	M-16	Exercise-3.4 (1-16).
Chapter-01 **Real Numbers**	**M-01**	Classification of Real Numbers, Proof of Irrational Numbers, Decimal Fractions, Exercise-1 (9, 10, 20).
	M-02	Repeating Decimals, Conversion into Common Fractions, Addition and Subtraction of repeated Decimal Fractions, Exercise-1 (12-16).
	M-03	Multiplication, division of repeating decimal fractions, Exercise-1 (17, 18, 23).
	M-04	Square Roots, Infinite Decimal Fractions, Exercise-1 (11, 19, 21, 22).

H. Math		
Chapter	**Lecture**	**Syllabus**
Chapter-02 **Algebraic Expression**	**HM-09**	Variables, Constant, Polynomials, Polynomials of One, Two and Three Variables, Cyclic, Symmetric and Homogenous Expressions, Activity on Page-40, Exercise-2 (1, 2), Example-22, Exercise-2 (d of 10).
	HM-10	Work (a) on Page-57, Work on Page-55, Exercise-2 (1,2,3 of 10).
	HM-11	Multiplication and Division of polynomial, Quotient and Product Theorem, Converse of factor theorem, Activity on Page-51-52, Exercise-2 (3-7), HW: Exercise-2 (15)
	HM-12	Page-52 Proposition-1, Activity on Page-56 (2, 3), Example-18, Exercise-2 (8, 9, 12,13)

	HM-13	Partial fractions, examples (23-29), Activity.
	HM-14	Exercise-2 (11, 14).
Chapter-03 **Geometry**	**HM-15**	Projection of a point, Orthogonal projection, Theorem- 1, 2, 3, 4
	HM-16	Exercise – 3.1 (1, 2, 3, 4, 6).
	HM-17	All Theorems of Apollonius, Theorem-5, Relationship between Side-Median, Exercise-3.1 (5, 7).
	HM-18	Orthocenter, Circumcenter, Centroid, Nine Point Circle, Theorem- 6, 10, Exercise- 3.2 (8, 9), HW- 3.2 (16).
	HM-19	Theorem- 7, 8, 9, 11, 12
	HM-20	Exercise-3.2 (7, 10-14), HW-3.2 (15)

Biology		
Chapter	**Lecture**	**Syllabus**
Chapter-02 **Cells and Tissues of Organisms**	**B-03**	Living cell, Types of cells, Plant cell and animal cell (With figure), Difference between plant cell and animal cell, Main organelles of plant and animal cells and their functions (Cell wall).
	B-04	Main organelles of plant and animal cells and their functions (Cell wall) (Protoplasm, Plasmalemma, Cytoplasmic organelles, Mitochondria).
	B-05	Plastid, Chloroplast, Chromoplast, Leucoplast, Golgi body, Endoplasmic reticulum, Cell vacuole, Lysosome.
	B-06	Non-membranous cytoplasmic organelles, Nucleus.
	B-07	Roles of different cells in proper functioning of plants and animals, Plant tissue (Simple tissue, Complex tissue, Xylem, Phloem).).
	B-08	Plant tissue (Epithelial tissue)
	B-09	Animal tissues (Connective tissue and its classification), Muscular tissue, Nerve tissue.
	B-10	Organ and system, Microscope, Electron microscope, Differentiations.
Chapter-01 **Lessons of Life**	**B-01**	Concept of biology, Branches of biology, Physical biology, applied biology, Classification of living beings, aim of classification, Living world (Margulis + R.H. Whittaker's classification- Monera, Protista).
	B-02	Living world (Margulis + R.H. Whittaker's classification- Fungi, Plantae, Animalia), Different steps of classification, System of Binomial Nomenclature, Binomial names.
Chapter-03 **Cell Division**	**B-11**	Cell division and its classification, Mitosis, Stages of mitosis.
	B-12	Significance of mitosis, Meiosis, Significance of meiosis, Difference between mitosis and meiosis, Discussion about haploid and diploid cells.