Class Nine Academic Program 2025
[New Batch- Online/Combo]

Class & Exam Routine Part- 02 [English Version]

Date & Day	Live Class- 01 (7:00pm- 8:00pm)	Live Class- 02 (9:30pm-10:30pm)	Live Exam	Online- 9:00am to 11:55pm / Offline- 9:00am to 5:00pm
01 june 2025 (Sunday)	**B-13** Biology: Chapter-04	**HM-31** H.Math: Chapter-08		Daily Live Exam **M-04** MCQ (10×1=10); 10 min. / Daily Live Exam **P-12** MCQ (10×1=10); 10 min.
02 June 2025 (Monday)	**B-14** Biology: Chapter-04	**M-05** Math: Chapter-02		Daily Live Exam **B-13** MCQ (10×1=10); 10 min. / Daily Live Exam **HM-31** MCQ (10×1=10); 10 min.
All classes & exams will be closed on the occasion of the holy Eid-ul-Adha [from 03.06.2025 to 14.06.2025].				
15 June 2025 (Sunday)	**B-15** Biology: Chapter-04	**HM-32** H.Math: Chapter-08		Daily Live Exam **B-14** MCQ (10×1=10); 10 min. / Daily Live Exam **M-05** MCQ (10×1=10); 10 min.
16 June 2025 (Monday)	**B-16** Biology: Chapter-04	**M-06** Math: Chapter-02		Daily Live Exam **B-15** MCQ (10×1=10); 10 min. / Daily Live Exam **HM-32** MCQ (10×1=10); 10 min.
17 June 2025 (Tuesday)	**C-13** Chemistry: Chapter-04	**HM-33** H.Math: Chapter-08		Daily Live Exam **B-16** MCQ (10×1=10); 10 min. / Daily Live Exam **M-06** MCQ (10×1=10); 10 min.
18 June 2025 (Wednesday)	**C-14** Chemistry: Chapter-04	**P-13** Physics: Chapter-03		Daily Live Exam **C-13** MCQ (10×1=10); 10 min. / Daily Live Exam **HM-33** MCQ (10×1=10); 10 min.
19 June 2025 (Thursday)	**M-07** Math: Chapter-02	**P-14** Physics: Chapter-03		Daily Live Exam **C-14** MCQ (10×1=10); 10 min. / Daily Live Exam **P-13** MCQ (10×1=10); 10 min.
20 June 2025 (Friday)	Chapter Wise Exam: Chemistry- Chapter- 01 (Concepts of Chemistry) MCQ (10×1=10); 10 min & CQ/ Written (30 marks); 1 hour.			
21 June 2025 (Saturday)	Chapter Wise Exam: Math- Chapter- 01 (Real Numbers) MCQ (10×1=10); 10 min & CQ/ Written (30 marks); 1 hour.			
22 June 2025 (Sunday)	**B-17** Biology: Chapter-05	**HM-34** H.Math: Chapter-08		Daily Live Exam **M-07** MCQ (10×1=10); 10 min. / Daily Live Exam **P-14** MCQ (10×1=10); 10 min.
23 June 2025 (Monday)	**B-18** Biology: Chapter-05	**M-08** Math: Chapter-02		Daily Live Exam **B-17** MCQ (10×1=10); 10 min. / Daily Live Exam **HM-34** MCQ (10×1=10); 10 min.
24 June 2025 (Tuesday)	**C-15** Chemistry: Chapter-04	**HM-01** H.Math: Chapter-01		Daily Live Exam **B-18** MCQ (10×1=10); 10 min. / Daily Live Exam **M-08** MCQ (10×1=10); 10 min.
25 June 2025 (Wednesday)	**C-16** Chemistry: Chapter-04	**P-15** Physics: Chapter-03		Daily Live Exam **C-15** MCQ (10×1=10); 10 min. / Daily Live Exam **HM-01** MCQ (10×1=10); 10 min.
26 June 2025 (Thursday)	**M-25** Math: Chapter-06	**P-16** Physics: Chapter-03		Daily Live Exam **C-16** MCQ (10×1=10); 10 min. / Daily Live Exam **P-15** MCQ (10×1=10); 10 min.
27 June 2025 (Friday)	**ICT-01** ICT: Chapter-01	**ICT-02** ICT: Chapter-01		Daily Live Exam **M-25** MCQ (10×1=10); 10 min. / Daily Live Exam **P-16** MCQ (10×1=10); 10 min.
	Chapter Wise Exam: Physics- Chapter- 01 (Physical Quantities and Their Measurements) MCQ (10×1=10); 10 min & CQ/ Written (30 marks); 1 hour.			
28 June 2025 (Saturday)	Chapter Wise Exam: Biology- Chapter- 03 (Cell Division) MCQ (10×1=10); 10 min & CQ/ Written (30marks); 1 hour.			
29 June 2025 (Sunday)	**B-19** Biology: Chapter-05	**HM-02** H.Math: Chapter-01		Daily Live Exam **ICT-01** MCQ (10×1=10); 10 min. / Daily Live Exam **ICT-02** MCQ (10×1=10); 10 min.
30 June 2025 (Monday)	**B-20** Biology: Chapter-05	**M-26** Math: Chapter-06		Daily Live Exam **B-19** MCQ (10×1=10); 10 min. / Daily Live Exam **HM-02** MCQ (10×1=10); 10 min.
01 July 2025 (Tuesday)	**C-17** Chemistry: Chapter-05	**HM-03** H.Math: Chapter-01		Daily Live Exam **B-20** MCQ (10×1=10); 10 min. / Daily Live Exam **M-26** MCQ (10×1=10); 10 min.
02 July 2025 (Wednesday)	**C-18** Chemistry: Chapter-05	**P-17** Physics: Chapter-03		Daily Live Exam **C-17** MCQ (10×1=10); 10 min. / Daily Live Exam **HM-03** MCQ (10×1=10); 10 min.
03 July 2025 (Thursday)	**M-27** Math: Chapter-06	**P-18** Physics: Chapter-03		Daily Live Exam **C-18** MCQ (10×1=10); 10 min. / Daily Live Exam **P-17** MCQ (10×1=10); 10 min.
04 July 2025 (Friday)	**ICT-03** ICT: Chapter-02	**ICT-04** ICT: Chapter-02		Daily Live Exam **M-27** MCQ (10×1=10); 10 min. / Daily Live Exam **P-18** MCQ (10×1=10); 10 min.
	Chapter Wise Exam: ICT- Chapter- 01 (Information & Communication Technology & Our Bangladesh) MCQ (15×1=15); 15 min & CQ/ Written (10 marks); 15 min.			
05 July 2025 (Saturday)	Chapter Wise Exam: H.Math- Chapter- 08 (Trigonometry) MCQ (10×1=10); 10 min & CQ/ Written (30 marks); 1 hour.			
06 July 2025 (Sunday)	**B-21** Biology: Chapter-05	**HM-04** H.Math: Chapter-01		Daily Live Exam **ICT-03** MCQ (10×1=10); 10 min. / Daily Live Exam **ICT-04** MCQ (10×1=10); 10 min.
07 July 2025 (Monday)	**B-22** Biology: Chapter-05	**M-28** Math: Chapter-06		Daily Live Exam **B-21** MCQ (10×1=10); 10 min. / Daily Live Exam **HM-04** MCQ (10×1=10); 10 min.
08 July 2025 (Tuesday)	**C-19** Chemistry: Chapter-05	**HM-05** H.Math: Chapter-01		Daily Live Exam **B-22** MCQ (10×1=10); 10 min. / Daily Live Exam **M-28** MCQ (10×1=10); 10 min.

Date	Class/Lecture 1	Class/Lecture 2	Daily Live Exam
09 July 2025 (Wednesday)	**C-20** Chemistry: Chapter-05	**P-19** Physics: Chapter-04	Daily Live Exam **C-19** MCQ (10×1=10); 10 min. Daily Live Exam **HM-05** MCQ (10×1=10); 10 min.
10 July 2025 (Thursday)	**M-51** Math: Chapter-13	**P-20** Physics: Chapter-04	Daily Live Exam **C-20** MCQ (10×1=10); 10 min. Daily Live Exam **P-19** MCQ (10×1=10); 10 min.
11 July 2025 (Friday)		**Chapter Wise Exam: Chemistry- Chapter- 03 (Structure of Matter)** MCQ (10×1=10); 10 min & CQ/ Written (30 marks); 1 hour.	
12 July 2025 (Saturday)	**Chapter Wise Exam: Math- Chapter- 02 (Sets and Functions)** MCQ (10×1=10); 10 min & CQ/ Written (30 marks); 1 hour.		
13 July 2025 (Sunday)	**B-23** Biology: Chapter-05	**HM-06** H.Math: Chapter-01	Daily Live Exam **M-51** MCQ (10×1=10); 10 min. Daily Live Exam **P-20** MCQ (10×1=10); 10 min.
14 July 2025 (Monday)	**B-24** Biology: Chapter-05	**M-52** Math: Chapter-13	Daily Live Exam **B-23** MCQ (10×1=10); 10 min. Daily Live Exam **HM-06** MCQ (10×1=10); 10 min.
15 July 2025 (Tuesday)	**C-21** Chemistry: Chapter-05	**HM-07** H.Math: Chapter-01	Daily Live Exam **B-24** MCQ (10×1=10); 10 min. Daily Live Exam **M-52** MCQ (10×1=10); 10 min.
16 July 2025 (Wednesday)	**C-22** Chemistry: Chapter-05	**P-21** Physics: Chapter-04	Daily Live Exam **C-21** MCQ (10×1=10); 10 min. Daily Live Exam **HM-07** MCQ (10×1=10); 10 min.
17 July 2025 (Thursday)	**M-57** Math: Chapter-17	**P-22** Physics: Chapter-04	Daily Live Exam **C-22** MCQ (10×1=10); 10 min. Daily Live Exam **P-21** MCQ (10×1=10); 10 min.
18 July 2025 (Friday)	**ICT-05** ICT: Chapter-02	**ICT-06** ICT: Chapter-02	Daily Live Exam **M-57** MCQ (10×1=10); 10 min. Daily Live Exam **P-22** MCQ (10×1=10); 10 min.
	Chapter Wise Exam: Biology- Chapter- 04 (Bioenergetics) MCQ (10×1=10); 10 min & CQ/ Written (30 marks); 1 hour.		
19 July 2025 (Saturday)	**Chapter Wise Exam: Physics- Chapter- 03 (Force)** MCQ (10×1=10); 10 min & CQ/ Written (30 marks); 1 hour.		
	Next Class & Exam Routine will be published at (Part-03) …		

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.

Class Nine Academic Program- 2025 Syllabus [Part- 02]

Physics		
Chapter	**Lecture**	**Lecture based discussion**
Chapter-03 **Force**	P-13	Effect of Force on Motion: Newton's Second Law
	P-14	Gravitational Force & Mathematical problems.
	P-15	Newton's Third Law
	P-16	Collision, Conservation of Momentum and Energy, Safe Journey: Velocity and Motion.
	P-17	Frictional Force, Types of Friction (Static Friction, Kinetic Friction, Rolling Friction), Effects of Friction on Motion (Tyre's Surface, Smoothness off road, Controlling Motion and Breaking Force), Increase and Decrease of Friction, Friction: An essential hazard.
	P-18	Mathematical problems
Chapter-04 **Work, Power and Energy**	P-19	Work, Energy
	P-20	Different forms of energy, Kinetic Energy, Potential Energy
	P-21	Sources of Energy, Non-Renewable Energy (Fuel Energy, Nuclear Energy), Renewable Energy (Hydroelectricity, Biomass, Solar energy, Wind energy, Bio fuel, Geothermal energy), Transformation of energy and impact on environment, Conservation and Transformation of Energy, Conservation of energy, Transformation of Energy (Electrical energy, Chemical energy, Heat energy, Mechanical energy, Light energy, Mass)
	P-22	Relation between mass and energy, Power

Chemistry		
Chapter	**Lecture**	**Lecture based discussion**
Chapter-04 **Periodic Table**	C-13	Background of Periodic Table, Characteristics of the Periodic Table.
	C-14	Determination of the Position of Elements in the Periodic Table from their Electronic Configuration, Electronic Configurations of Elements are the Main Basis of the Periodic Table Some Exceptions in the Periodic Table.

	C-15	Periodic Properties of Elements (Metallic and Non-metallic Properties, Atomic Radius/Size of atom, Ionization Energy, Electron Affinities, Electronegativity).
	C-16	The Special Names of Elements Present in Various Groups (Alkali Metals, Alkaline Earth Metals, Coin Metals, Halogen Group, Inert Gas, Transition Elements), Advantages of the Periodic Table, Element in the Same Group in the Periodic Table Show similar Chemical Properties, Lime Water Test.
Chapter-05 **Chemical Bond-Partial**	C-17	Valence Electrons, Valency, Radicals and Their Valencies, Chemical Formula of Compounds,
	C-18	Molecular Formula and Structural Formula, Octet and Duet Rules,
	C-19	Inert Gases and their Stability, Chemical Bonds and the Causes of their Formation, Cations and Anions
	C-20	Ionic Bond or Electrovalent Bond, Covalent Bonds, Revision
	C-21	Characteristics of Ionic and Covalent Bonds (Melting Point and Boiling Point, Solubility, Electrical Conductivity)
	C-22	Metallic bonds, Identifying bonds in the compounds.

Math		
Chapter	**Lecture**	**Lecture based discussion**
Chapter-02 **Sets and Functions**	M-05	Set, Methods for expressing sets, All definitions and examples (Finite Set, Infinite Set, Empty Set, Subset, Proper Subset, Equivalent Set, Difference of Sets, Power Set, Universal Set, Complement of a Set, Union of Sets, Intersection of Sets, Disjoint Set), Exercises- 2.1 (1-6)
	M-06	Ordered Pair, Cartesian Product , Venn diagram, Exercises- 2.1 (7-12)
	M-07	Relation, Function, Example
	M-08	Exercises- 2.2
Chapter-06 **Lines, Angles and Triangles**	M-25	Appended Theorems (Statements of 1, 2, 3, 4, 5), Concept of space, surface, plane, line and point, Exercise-6.1, Line, Ray, Line Segment, Angle etc. Theorems- (1-4), Exercise- 6.2
	M-26	Theorem- (5-16), Exercise- (1-11) of 6.3
	M-27	Exercise 6.3 of (12-17).
	M-28	Exercise 6.3 of (18-23).
Chapter-13 **Finite series**	M-51	Sequences, Series, Arithmetic series, Determination of general term of arithmetic series, Sum of n terms of arithmetic series, Examples (1-6), Exercise- 13.1(1-7, 9-18).
	M-52	Exercise 13.1(8, 19-24).
Chapter-17 **Statistics**	M-57	Cumulative frequency, frequency distribution table, Mass Polygons, Ogive curve.

H. Math		
Chapter	**Lecture**	**Lecture based discussion**
Chapter-08 **Trigonometry**	HM-31	Angles in Geometry and Trigonometry, Positive and Negative Angles, Units of Angle Measurement, Circular System of Measurement of Angles, Radian Angles, Relationship between Degree and Radian measure, Exercise- 8.1 (1, 2, 5, 6).
	HM-32	Exercise – 8.1 (3, 4, 7-13).
	HM-33	Trigonometric Ratios, Signs of Trigonometric Ratios in Different Quadrants, Exercise-8.2 (1-6).
	HM-34	Exercise-8.2 (7-13), Example, Exercise-8.3 (10, 12).
Chapter-01 **Set and Function**	HM-01	Sets, Different Types of Sets (Universal Set, Subsets, Empty Set, Equality of Sets, Proper subset, Difference of set, Complementary set, Power set), Union of sets, Proposition-9, Exercise 1.1 (7, 8, 9, 14, 15).
	HM-02	Venn Diagram, Exercise 1.1 (16-25, 27).
	HM-03	Disjoint set, De Morgan's Law(Proposition-1), Cartesian Product Set, One-One Correspondence, Equivalent Set, Finite and infinite sets. Exercises- 1.1 (10, 11, 12,13)
	HM-04	Proposition-3, Practice-1.1 (26, 28, 29, 30).

	HM-05	Relations, functions (difference between relations and functions), Ordered Pairs, Domain, Range, Concepts of Co-domain, solving problems related to Ordered Pairs, Exercise-1.2 (1-4, 6-9).
	HM-06	Concept of One- One functions, Concept of Onto functions, Inverse functions, Exercises- 1.2 (5, 10, 11, 12).
	HM-07	Quadratic Functions, Graphs of Relations and Functions, Graphs of Circles, Exercise-1.2 (13, 14).

Biology		
Chapter	**Lecture**	**Lecture based discussion**
Chapter-04 **Bioenergetics**	B-13	Bioenergetics, Structure and function of ATP, Photosynthesis, The process of photosynthesis (Light dependent phase and light independent phase).
	B-14	Calvin cycle, Hatch and Slack pathway, Role of Chlorophyll in photosynthesis, Role of light in photosynthesis, Factors affecting photosynthesis, Importance of photosynthesis in living world.
	B-15	Respiration, Types of respiration, respiratory factors (Aerobic respiration).
	B-16	Respiratory factors (anaerobic respiration). Factors affecting respiration, Significance of respiration.
Chapter-05 **Food, Nutrition and** **Digestion**	B-17	Plant mineral nutrition, Source and role of nutrients, Symptoms of nutrient deficiencies.
	B-18	Food and nutrition of animal, Components of food and their sources (Protein, Carbohydrate, Fat and oils, Vitamins).
	B-19	Components of food and their sources (Minerals, water and their source), An ideal food pyramid, Principles of food habit.
	B-20	Vitamin deficiency diseases, Energy in food ingredients and determine Heat Energy.
	B-21	BMR and BMI, Exercise and rest, Use of chemicals in food preservation.
	B-22	Digestion, Alimentary system or alimentary canal, Digestive glands, Functions of liver.
	B-23	Pancreas, Gastric glands, Intestinal glands etc.,Digestion of food, Absorption of digested food, Assimilation.
	B-24	Diseases caused by intestinal disorder, dyspepsia, Constipation, Gastric and peptic ulcer, Appendicitis, Worm related diseases, Diarrhea.

Information and Communication Technology		
Chapter	**Lecture**	**Lecture based discussion**
Chapter-01 **Information &** **Communication** **Technology & Our** **Bangladesh**	ICT-01	The 21st century and information and communication technology, Great ICT personalities, E-learning and Bangladesh, E-Governance and Bangladesh.
	ICT-02	E-service and Bangladesh, E-commerce and Bangladesh, ICT in the Job Sector, Social Networking and ICT, Entertainment and ICT.
Chapter-02 **Computer Maintenance** **and Cyber Security**	ICT-03	Computer Maintenance, Importance of Software in the Maintenance of Computer, Installation and Uninstallation of Software, Installation of Software, Deletion of Software.
	ICT-04	Information Security and Cyber Risk, Cyber Crime, Hacking, Brute Force Attack, Data Interception, DDoS Attack, Cyber Bullying, Fake News.
	ICT-05	The Strategies for Security over the Internet, Two Factor Authentication (2FA), Internet Addiction Disorder (IAD), Addiction to Computer Games, Addiction to Social Networking Site, The Way out of Addiction.
	ICT-06	Piracy, The Urgency of Copyright Law, Right to Information and Security, General Troubleshooting, Some Common Desktop Computer Problems and Solutions.