

Class 10 Academic Program 2025

[Online]

Class & Exam Routine-01

10 January 2025 (Friday) : Orientation Class [Time: 7.45pm]			
Date & Day	Live Class English Version - 3.30pm	Live Exam	Online: 9.00am-11.00pm
			Offline: 9.00am-5.00pm
12 January 2025 (Sunday)	Live Class H.Math (HM-07+08); Chapter-07	Basic Introductory Exam	
13 January 2025 (Monday)	Live Class Chemistry (C-01+02); Chapter -03	Daily Live Exam (HM-07+08) MCQ (10×1=10); 10 min	
14 January 2025 (Tuesday)	Live Class Math (M-01+02); Chapter -02	Daily Live Exam (C-01+02) MCQ (10×1=10); 10 min	
15 January 2025 (Wednesday)	Live Class Physics (P-03+04); Chapter -02	Daily Live Exam (M-01+02) MCQ (10×1=10); 10 min	
16 January 2025 (Thursday)	Live Class Biology (B-03+04); Chapter -02	Daily Live Exam (P-03+04) MCQ (10×1=10); 10 min	
19 January 2025 (Sunday)	Live Class H.Math (HM-09+10); Chapter -07	Daily Live Exam (B-03+04) MCQ (10×1=10); 10 min	
20 January 2025 (Monday)	Live Class Chemistry (C-03+04); Chapter -03	Daily Live Exam (HM-09+10) MCQ (10×1=10); 10 min	
21 January 2025 (Tuesday)	Live Class Math (M-03+04); Chapter -02	Daily Live Exam (C-03+04) MCQ (10×1=10); 10 min	
22 January 2025 (Wednesday)	Live Class Physics (P-05+06); Chapter -02	Daily Live Exam (M-03+04) MCQ (10×1=10); 10 min	
23 January 2025 (Thursday)	Live Class Biology (B-05+06); Chapter -02	Daily Live Exam (P-05+06) MCQ (10×1=10); 10 min	
25 January 2025 (Saturday)	Chapter Wise Exam- Math – Chapter-02 (Set and Function) MCQ 10 marks 10 min & CQ/ Written 30 marks 55 min		
26 January 2025 (Sunday)	Live Class H.Math (HM-01+02); Chapter -02	Daily Live Exam (B-05+06) MCQ (10×1=10); 10 min	
27 January 2025 (Monday)	Live Class Chemistry (C-05+06); Chapter -03	Daily Live Exam (HM-01+02) MCQ (10×1=10); 10 min	
28 January 2025 (Tuesday)	Live Class Math (M-05+06); Chapter -03	Daily Live Exam (C-05+06) MCQ (10×1=10); 10 min	
29 January 2025 (Wednesday)	Live Class Physics (P-07+08); Chapter -02	Daily Live Exam (M-05+06) MCQ (10×1=10); 10 min	
30 January 2025 (Thursday)	Live Class Biology (B-07+08); Chapter -02	Daily Live Exam (P-07+08) MCQ (10×1=10); 10 min	
31 January 2025 (Friday)	Chapter Wise Exam- H.Math – Chapter-07 (Infinite Series) MCQ 10 marks 10 min & CQ/ Written 30 marks 55 min		
01 February 2025 (Saturday)	Chapter Wise Exam- Chemistry-Chapter-03 (Structure of Matter) MCQ 10 marks 10 min & CQ/ Written 30 marks 55 min		
02 February 2025 (Sunday)	Live Class H.Math (HM-03+04); Chapter -02	Daily Live Exam (B-07+08) MCQ (10×1=10); 10 min	
03 February 2025 (Monday)	Live Class Chemistry (C-07+08); Chapter -04	Daily Live Exam (HM-03+04) MCQ (10×1=10); 10 min	
04 February 2025 (Tuesday)	Live Class Math (M-07+08); Chapter -03	Daily Live Exam (C-07+08) MCQ (10×1=10); 10 min	
05 February 2025 (Wednesday)	Live Class Physics (P-09+10); Chapter -03	Daily Live Exam (M-07+08) MCQ (10×1=10); 10 min	
06 February 2025 (Thursday)	Live Class Biology (B-09+10); Chapter -03	Daily Live Exam (P-09+10) MCQ (10×1=10); 10 min	
07 February 2025 (Friday)	Chapter Wise Exam- Physics-Chapter-02 (Motion) MCQ 10 marks 10 min & CQ/ Written 30 marks 55 min		
08 February 2025 (Saturday)	Chapter Wise Exam- Biology-Chapter-02 (Cells and Tissues of Organisms) MCQ 10 marks 10 min & CQ/ Written 30 marks 55 min		
09 February 2025 (Sunday)	Live Class H.Math (HM-05+06); Chapter -02	Daily Live Exam (B-09+10) MCQ (10×1=10); 10 min	
10 February 2025 (Monday)	Live Class Chemistry (C-09+10); Chapter -04	Daily Live Exam (HM-05+06) MCQ (10×1=10); 10 min	
11 February 2025 (Tuesday)	Live Class Math (M-09+10); Chapter -03	Daily Live Exam (C-09+10) MCQ (10×1=10); 10 min	
12 February 2025 (Wednesday)	Live Class Physics (P-11+12); Chapter -03	Daily Live Exam (M-09+10) MCQ (10×1=10); 10 min	
13 February 2025 (Thursday)	Live Class Biology (B-11+12); Chapter -04	Daily Live Exam (P-11+12) MCQ (10×1=10); 10 min	
14 February 2025 (Friday)	Chapter Wise Exam- H.Math - Chapter-02 (Algebraic Expressions) MCQ 10 marks 10 min & CQ/ Written 30 marks 55 min		
15 February 2025 (Saturday)	Chapter Wise Exam- Biology – Chapter-03 (Cell Division) MCQ 10 marks 10 min & CQ/ Written 30 marks 55 min		
2nd Part Routine Upcoming.....			

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 pm** as per date mentioned in daily exam routine.
- Use the **Past Class** option to view recorded videos and PDFs of daily classes. But, for more practice, students can participate in the **Practice Exam** for the same syllabus multiple times.
- **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 (Fb.com/groups/ssc.udvashunmesh) to get all information in time.

Class 10 Academic Program 2025 [Online] Syllabus

Physics

Chapter	Lecture	Content
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
	P-05	Distance and Displacement, Speed and Velocity
	P-06	Acceleration and Deceleration or Retardation, Graph Related Problems.
	P-07	Equations of Motion, Laws of Falling Bodies
	P-08	Mathematical problems
Chapter-03 (Force)	P-09	Inertia and Concept of Force: Newton's First Law, Inertia, Force
	P-10	Nature of Fundamental Force, Gravitational Force, Electromagnetic Force, Weak Nuclear Force or Weak Force, Strong Nuclear Force, Balanced and Unbalanced Forces, Momentum
	P-11	Collision, Conservation of Momentum and Energy, Safe Journey: Velocity and Motion
	P-12	Effect of Force on Motion: Newton's Second Law

Chemistry

Chapter	Lecture	Content
Chapter-03 (Structure of Matter)	C-01	Elements and Compounds, Atoms and Molecules, Symbols of Elements, Formula, The fundamental particles of an atom, Atomic Number, Mass Number
	C-02	Atomic Model, Rutherford's Atomic Model, Limitations of Rutherford's Model
	C-03	Bohr's Atomic Model, Success and Limitations of Bohr's Model
	C-04	Orbital Electronic Configuration of Atoms, Concept of Energy Sublevel, The Principles of Electronic Configuration in Atoms, Example
	C-05	The Principles of Electronic Configuration in Atoms (Revision), Some Exceptions in Electronic Configuration
	C-06	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-04 (Periodic Table)	C-07	Background of Periodic Table, Characteristics of the Periodic Table, 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
	C-08	Some Exceptions in the Periodic Table, Periodic Properties of Elements (Metallic and Non-metallic Properties, Atomic Radius/Size of atom, Ionization Energy, Electron Affinities, Electronegativity)
	C-09	The Special Names of Elements Present in Various Groups (Alkali Metals, Alkaline Earth Metals, Coin Metals, Halogen Group, Inert Gas, Transition Elements)
	C-10	Advantages of the Periodic Table, Element in the Same Group in the Periodic Table Show similar Chemical Properties, Lime Water Test

Biology

Chapter	Lecture	Content
Chapter-02 (Cells and Tissues of Organisms)	B-03	Living Cell, Types of Cells, Plant & Animal Cells (With Fig.), Difference between Plant and Animal Cells, 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, Plastid (Chloroplast, Chromoplast, Leucoplast)
	B-05	Golgi body, Endoplasmic reticulum, Vacuole, Lysosome, Non-membranous cytoplasmic organelles, Nucleus
	B-06	Roles of different cells in proper functioning of plants and animals, Plant tissue (Simple tissue, Complex tissue, Xylem, Phloem)
	B-07	Animal tissues (Epithelial Tissue), Animal tissues (Types of Connective Tissue), Muscular Tissue, Nerve tissue
	B-08	Organ and System, Microscope, Electron microscope, Various differences
Chapter-03 (Cell Division)	B-09	Cell Division and its Classifications, Mitosis, Stages of Mitosis
	B-10	Significance of mitosis, Meiosis, Significance of Meiosis
Chapter-04 (Bioenergetics)	B-11	Bioenergetics, The role and Structure of ATP, Photosynthesis, The Process of Photosynthesis (Light dependent phase, Light independent phase or dark phase)
	B-12	Calvin cycle, Hatch and Slack cycle or C_4 cycle, Role of Chlorophyll in Photosynthesis, Role of Light in Photosynthesis, Factors affecting photosynthesis, Importance of photosynthesis in living world

Mathematics

Chapter	Lecture	Content
Chapter-02 (Set and Function)	M-01	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-02	Ordered Pair, Cartesian Product, Venn diagram, Exercises- 2.1 (7-12)
	M-03	Relation, Function, Example
	M-04	Exercises- 2.2
Chapter-03 (Algebraic Expressions)	M-05	Algebraic Expressions, Algebraic Formulae, Example of 3.1, Work, Exercise- 3.1 (1,2)
	M-06	Exercise- 3.1 (3-15)
	M-07	Formulae of Cubes, Corollary, Work, Exercise- 3.2 (1,2)
	M-08	Exercise- 3.2 (3-15)
	M-09	Factorization, Some techniques for determining the Factor, Work, Exercise- 3.3 (1-15)
	M-10	Exercise- 3.3 (16-25)

Higher mathematics

Chapter	Lecture	Content
Chapter-07 (Infinite Series)	HM-07	Sequences, Page- 148 (Work), Series, Infinite Series, General term, Example, Exercise-7 (1-4, 6, 9, 10)
	HM-08	Proof of the infinite geometric series formula, Example, Page-151 (Work), Exercises -7 (5, 7, 8, 11)
	HM-09	Exercise -7 (12, 13, 14)
	HM-10	Exercise-7 (15, 16, 17)

Chapter-02 (Algebraic Expressions)	HM-01	Variable, Constant, Polynomial, Polynomial of One, Two and Three Variable, Homogeneous, Symmetric and Cyclic Expressions, Work of Page-43 & 44, Exercise- 2 (1,2)
	HM-02	Work of Page-57 (1), Exercise- 2 (1,2,3 of 10)
	HM-03	Work of Page-59, Example- 22, Exercise- 2 (4 of 10), Multiplication and Division of Polynomial, Identity, Remainder and Factor Theorems, Converse of Factor Theorem, Work of Page-51,52, Exercise-2 (3-5)
	HM-04	Exercise-2 (6,7), Corollary-01 of Page-56, Activity (2,3) of Page-57, Example-18, Exercise-2 (8,9), HW: Exercises-2 (15)
	HM-05	Exercise-2 (12,13), Partial Fractions, Example (23-29), Work
	HM-06	Exercises-2 (11,14)

ICT

Chapter	Lecture	Content
Chapter-02 (Computer Maintenance and Cyber Security)	ICT-01	Computer Maintenance, Importance of Software in the Maintenance of Computer, Installation and Uninstallation of Software, Installation of Software, Deletion of Software
	ICT-02	Information Security and Cyber Risk, Cyber Crime, Hacking, Brute Force Attack, Data Interception, DDoS Attack, Cyber Bullying, Fake News

For any information regarding the online program contact the following numbers

Dhaka Branches: Mirpur-01713-236705, Rupnagar-01713-236734, Cantonment-01713-236724, Uttara-01713-236707, Mohammadpur-01713-236701 Science Lab.-01713-236706, Farmgate (Green Road)-01713-236710, Farmgate (Malek Tower)-01713-236711, Shantinagar-01713-236703, Malibagh-01713-236702 Motijheel-01713-236908. Basabo-01713-236722, Banshri-01713-236723, Laxmibazar-01713-236720, Jatrabari-01713-236719, Dania-01713-236718 Savar-01713-236721, Gazipur-01713-236746, Narayanganj-01713-236717, Konapara-01713-236757, Tongi-01713-236759, Bakshibazar-01713-236712 Khilgaon-01713-236768.

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