

HSC 1st Year Academic Program Prime Batch

[Online/Combo]

Class & Exam Routine [Part-01]

Date & Day	Live Class: 1	Live Class: 2	Live Exam	Online: From 8:00am to 11:55pm
	2:30 pm	6:30pm		Offline: From 9:00am to 5:00pm
15 August 2025 (Friday) Orientation Class [Evening-7:30 min.]				
17 August 2025 (Sunday)	C-05 Chemistry: Chapter-2	HM-01 H.Math: Chapter-1	Basic Introductory Exam MCQ (10×1=10); 10 min.	
18 August 2025 (Monday)	C-06 Chemistry: Chapter-2	HM-13 H.Math: Chapter-3	Daily Live Exam C-05 MCQ (10×1=10); 10 min. Daily Live Exam HM-01 MCQ (10×1=10); 10 min.	
19 August 2025 (Tuesday)	P-03 Physics: Chapter-2	B-01 Botany: Chapter-1	Daily Live Exam C-06 MCQ (10×1=10); 10 min. Daily Live Exam HM-13 MCQ (10×1=10); 10 min.	
20 August 2025 (Wednesday)	C-23 Chemistry: Chapter-3	P-04 Physics: Chapter-2	Daily Live Exam P-03 MCQ (10×1=10); 10 min. Daily Live Exam B-01 MCQ (10×1=10); 10 min.	
21 August 2025 (Thursday)	B-02 Botany: Chapter-1	HM-14 H.Math: Chapter-3	Daily Live Exam C-23 MCQ (10×1=10); 10 min. Daily Live Exam P-04 MCQ (10×1=10); 10 min.	
24 August 2025 (Sunday)	C-07 Chemistry: Chapter-2	HM-02 H.Math: Chapter-1	Daily Live Exam B-02 MCQ (10×1=10); 10 min. Daily Live Exam HM-14 MCQ (10×1=10); 10 min.	
25 August 2025 (Monday)	HM-15 H.Math: Chapter-3	C-08 Chemistry: Chapter-2	Daily Live Exam C-07 MCQ (10×1=10); 10 min. Daily Live Exam HM-02 MCQ (10×1=10); 10 min.	
26 August 2025 (Tuesday)	P-05 Physics: Chapter-2	B-03 Botany: Chapter-1	Daily Live Exam HM-15 MCQ (10×1=10); 10 min. Daily Live Exam C-08 MCQ (10×1=10); 10 min.	
27 August 2025 (Wednesday)	C-24 Chemistry: Chapter-3	P-06 Botany: Chapter-1	Daily Live Exam P-05 MCQ (10×1=10); 10 min. Daily Live Exam B-03 MCQ (10×1=10); 10 min.	
28 August 2025 (Thursday)	B-04 Botany: Chapter-1	HM-16 H.Math: Chapter-3	Daily Live Exam C-24 MCQ (10×1=10); 10 min. Daily Live Exam P-06 MCQ (10×1=10); 10 min.	
31 August 2025 (Sunday)	HM-03 H.Math: Chapter-1	C-09 Chemistry: Chapter-2	Daily Live Exam B-04 MCQ (10×1=10); 10 min. Daily Live Exam HM-16 MCQ (10×1=10); 10 min.	
01 September 2025 (Monday)	HM-17 H.Math: Chapter-3	C-10 Chemistry: Chapter-2	Daily Live Exam HM-03 MCQ (10×1=10); 10 min. Daily Live Exam C-09 MCQ (10×1=10); 10 min.	
02 September 2025 (Tuesday)	P-07 Physics: Chapter-2	C-25 Chemistry: Chapter-3	Daily Live Exam HM-17 MCQ (10×1=10); 10 min. Daily Live Exam C-10 MCQ (10×1=10); 10 min.	
03 September 2025 (Wednesday)	B-05 Botany: Chapter-1	P-08 Physics: Chapter-2	Daily Live Exam P-07 MCQ (10×1=10); 10 min. Daily Live Exam C-25 MCQ (10×1=10); 10 min.	
04 September 2025 (Thursday)	B-06 Botany: Chapter-1	HM-18 H.Math: Chapter-3	Daily Live Exam B-05 MCQ (10×1=10); 10 min. Daily Live Exam P-08 MCQ (10×1=10); 10 min.	
07 September 2025 (Sunday)	C-11 Chemistry: Chapter-2	HM-04 H.Math: Chapter-1	Daily Live Exam B-06 MCQ (10×1=10); 10 min. Daily Live Exam HM-18 MCQ (10×1=10); 10 min.	
08 September 2025 (Monday)	HM-19 H.Math: Chapter-3	C-12 Chemistry: Chapter-2	Daily Live Exam C-11 MCQ (10×1=10); 10 min. Daily Live Exam HM-04 MCQ (10×1=10); 10 min.	
09 September 2025 (Tuesday)	P-09 Physics: Chapter-2	C-26 Chemistry: Chapter-3	Daily Live Exam HM-19 MCQ (10×1=10); 10 min. Daily Live Exam C-12 MCQ (10×1=10); 10 min.	
10 September 2025 (Wednesday)	B-07 Botany: Chapter-1	P-10 Physics: Chapter-2	Daily Live Exam P-09 MCQ (10×1=10); 10 min. Daily Live Exam C-26 MCQ (10×1=10); 10 min.	
11 September 2025 (Thursday)	B-08 Botany: Chapter-1	HM-20 H.Math: Chapter-3	Daily Live Exam B-07 MCQ (10×1=10); 10 min. Daily Live Exam P-10 MCQ (10×1=10); 10 min.	
12 September (Friday) Chapter-wise Exam-01	Chemistry 1st Paper Chapter-02 [Part-01 Lecture C-05 to 12]; (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.			
The next class and exam routine (Part-03) will be published...				
The routine can change or be modified in case of special necessities				

Online Class and Exam Procedure:

- To participate in classes and exams, visit udvash.com and click on the "Join Now" menu. **Log in** using your admitted registration number.
- Daily Live** Classes will be held as per the schedule, with **two separate subject classes per day** at the mentioned date and time.
- Daily Live Exams** will be available as per the schedule from **8:00am to 11:55pm**, where students can take the exam once per with two **separate Subject**. However, for additional practice, students can take the Practice Exam multiple times with the same syllabus.
- To watch recorded videos and PDFs of daily classes, use the "**Past Classes/Course & Content**" option.
- To access **Archive Classes & One Shot CQ-MCQ Classes**, use the "**Course & Content**" option.
- The **Q&A** option is available **24/7** to resolve subject-related queries after the class.
- All students enrolled in the Combo Batch can take chapter-based exams both online and at any nearby branch (from 9:00am to 5:00pm).
- To get updates quickly, join our Facebook group (**HSC & Admission উদ্ভাস-উন্মেষ**).

HSC 1st Year Academic Program Prime Batch (Class & Exam Syllabus-01)

Physics 1st paper Reference Book: মাস্টারলিঙ্ক

Chapter	Chapter	Lecture-based discussion
Chapter-2 Vector	P-03	Quantities, Scalar quantities and vector quantities, Expression of vector quantities, Different types of vectors, Addition of vectors: Resultant, Triangle formula, polygon formula
	P-04	Law of parallelogram, Magnitude of the Resultant of two vectors, determination of the direction of the resultant, some special cases of the Law of parallelogram.
	P-05	Some properties of vector addition, commutative formula, conjunction formula, distributive formula, components of vectors, Finding the product of more than two vectors using components.
	P-06	uses of vector components, Towing a Boat, lawn roller, river and boat concepts.
	P-07	CQ & Admission Standard Questions related to River and Boat
	P-08	Vector Subtraction, Relative velocity.
	P-09	Concept of vector in Cartesian coordinate system, addition and subtraction of vectors resolution in components, CQ & Admission Standard Problems on relative velocity
	P-10	Determining position vectors, vectors in three-dimensional coordinate systems, product of vectors, product of vectors with scalar quantities

Chemistry 1st Paper Reference Book: মাস্টারলিঙ্ক

Chapter	Chapter	Lecture-based discussion
Chapter-2 Qualitative Chemistry Introduction	C-05	Fundamental particles of atoms, introduction- electron, proton and neutrons discussion, atomic mass unit, atomic expression, isotope, isotone, isobar, isoelectronic, isomer, Radioactive isotope and nuclear reaction (Transmutation, Fission and Fusion)
	C-06	Atomic models- Rutherford's atomic model discussion.
	C-07	Atomic models- Bohr's atomic model discussion.
	C-08	Application of atomic models and Quantum Mechanics-Derivation for v, r, n, E from Bohr's model, Related Math, De Broglie's equation, Heisenberg's uncertainty principle, Schrodinger's wave equation, Related Math.
	C-09	Quantum Number- Principal Quantum number, Subsidiary Quantum Number, Magnetic Quantum Number, Spin Quantum Number, Significance of Quantum Number
	C-10	Orbit and Orbital Discussion, Quantum Subshell shapes and discussion, Calculation of total orbital and electron number.
	C-11	Electronic Configuration- Aufbau Principle, Hund's Rule, Pauli's Exclusion Principle, e^- configuration of compounds and ions, stability of electronic configuration.
	C-12	Electromagnetic spectrum- Discussion, quantities related to radiation, regions of electromagnetic ray, classification of spectrum, identification of compounds using spectrum.
Chapter-3 Periodic Properties and Bonding in Elements	C-23	History, idea and significance of periodic table, Classification of elements based on e^- configuration, Block elements (s, p, d, f) characteristics.
	C-24	Chemical properties of block elements (Chemical properties of s block elements).
	C-25	Chemical properties of block elements, Chemical properties of p block elements, (Group-13, 14, 15).
	C-26	Chemical properties of block elements, Chemical properties of p block elements, (Group-16, 17, 18).

H.Math 1st Paper Reference Book: মাস্টারলিঙ্ক

Chapter	Chapter	Lecture-based discussion
Chapter-1 Matrix & Determinant	HM-01	Exercise - 1.1; Types of matrix, problems related to types of matrix.
	HM-02	Exercise - 1.1; Addition and subtraction of matrix, problems related to addition and subtraction of matrix, equality of matrix, problems related to equality of matrix. Scalar multiplication of matrices.
	HM-03	Exercise - 1.1; Matrix multiplication, problems related to matrix multiplication, matrix exponential,
	HM-04	Exercise - 1.1; Problems related to matrix polynomials, Some special matrices, properties of some special matrix related to trace, matrix in real life, matrix problems based on real life.
Chapter-3 Straight Line	HM-13	Exercise - 3.1; Coordinate system and distance between two points, Cartesian coordinate system, polar coordinate system, transformation of coordinate systems.
	HM-14	Exercise - 3.1; Distance between two points, Problems related to distance between two points.
	HM-15	Exercise - 3.2; Division formula, related to coordinates of point of internal division / external division.
	HM-16	Exercise - 3.2; Related to parallelogram/square/triangle/circle, Exercise - 3.3; Area of polygon, Determining the area of a triangle by the coordinates of the vertices of a triangle.
	HM-17	Exercise - 3.3; Shifting parallel axes, Determining the area, Conditions for three points to be collinear, Determining the ratio of division of one line segment by another.
	HM-18	Exercise - 3.4; Locus, Determining the equation of locus.
	HM-19	Exercise - 3.5; Problems related to slope and equation of a straight line.
	HM-20	Exercise - 3.5; Related to the condition that two equations they refer to the same straight line, Conversion from general equation of a straight line to equations of different forms, Intersection of two straight lines, Area related.

Botany 1st Paper Reference Book: মাস্টারলিঙ্ক

Chapter	Chapter	Lecture-based discussion
Chapter 1 Cell and Its structure	B-01	Cell, Endosymbiosis, Characteristics of the Cell, Cytology, Cell Theory, Types of Cell, Plant Cell, Cell Wall
	B-02	Protoplast, Cell Membrane, Cytoplasm and organelles, Ribosome
	B-03	Endoplasmic Reticulum, Golgi Body, Lysosome, Mitochondria
	B-04	Plastid, Centriole, Cytoskeleton, Peroxisome, Glyoxisome, Cell Vacuole
	B-05	Nucleus, Ergastic Substances of the Cell, Chromosome
	B-06	Hereditary Materials, DNA, RNA
	B-07	Replication, Transcription, Reverse Transcription
	B-08	Translation, Central Dogma of Biology, Gene, Genetic Code



উদ্ভাস

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