

# HSC 1st Year Academic Program Pioneer Batch

## [Online/Combo]

### Class & Exam Routine-01 (English Version)

#### 23 May 2025 (Friday) Orientation Class

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
24 May 2025 (Saturday)	P-03 Physics: Chapter-02	C-05 Chemistry: Chapter-02	Basic Introductory Exam	
26 May 2025 (Monday)	HM-13 H.Math: Chapter-03	B-01 Botany: Chapter-01	Daily Live Exam P-03 MCQ (10×1=10); 10 min. Daily Live Exam C-05 MCQ (10×1=10); 10 min.	
28 May 2025 (Wednesday)	C-06 Chemistry: Chapter-02	HM-14 H.Math: Chapter-03	Daily Live Exam HM-13 MCQ (10×1=10); 10 min. Daily Live Exam B-01 MCQ (10×1=10); 10 min.	
30 May 2025 (Friday)	P-04 Physics: Chapter-02	B-02 Botany: Chapter-01	Daily Live Exam C-06 MCQ (10×1=10); 10 min. Daily Live Exam HM-14 MCQ (10×1=10); 10 min.	
31 May 2025 (Saturday)	P-05 Physics: Chapter-02	C-07 Chemistry: Chapter-02	Daily Live Exam P-04 MCQ (10×1=10); 10 min. Daily Live Exam B-02 MCQ (10×1=10); 10 min.	
Online classes and exams will be closed from June 01 to June 17 on the occasion of Eid-ul-Azha.				
18 June 2025 (Wednesday)	C-08 Chemistry: Chapter-02	HM-15 H.Math: Chapter-03	Daily Live Exam P-05 MCQ (10×1=10); 10 min. Daily Live Exam C-07 MCQ (10×1=10); 10 min.	
20 June 2025 (Friday)	P-06 Physics: Chapter-02	B-03 Botany: Chapter-01	Daily Live Exam C-08 MCQ (10×1=10); 10 min. Daily Live Exam HM-15 MCQ (10×1=10); 10 min.	
21 June 2025 (Saturday)	P-07 Physics: Chapter-02	C-09 Chemistry: Chapter-02	Daily Live Exam P-06 MCQ (10×1=10); 10 min. Daily Live Exam B-03 MCQ (10×1=10); 10 min.	
23 June 2025 (Monday)	HM-16 H.Math: Chapter-03	B-04 Botany: Chapter-01	Daily Live Exam P-07 MCQ (10×1=10); 10 min. Daily Live Exam C-09 MCQ (10×1=10); 10 min.	
25 June 2025 (Wednesday)	C-10 Chemistry: Chapter-02	HM-17 H.Math: Chapter-03	Daily Live Exam HM-16 MCQ (10×1=10); 10 min. Daily Live Exam B-04 MCQ (10×1=10); 10 min.	
27 June 2025 (Friday)	P-08 Physics: Chapter-02	B-05 Botany: Chapter-01	Daily Live Exam C-10 MCQ (10×1=10); 10 min. Daily Live Exam HM-17 MCQ (10×1=10); 10 min.	
28 June 2025 (Saturday)	P-09 Physics: Chapter-02	C-11 Chemistry: Chapter-02	Daily Live Exam P-08 MCQ (10×1=10); 10 min. Daily Live Exam B-05 MCQ (10×1=10); 10 min.	
30 June 2025 (Monday)	HM-18 H.Math: Chapter-03	B-06 Botany: Chapter-01	Daily Live Exam P-09 MCQ (10×1=10); 10 min. Daily Live Exam C-11 MCQ (10×1=10); 10 min.	
The next class and exam routine (Part-02) 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](http://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 Pioneer Batch (Class & Exam Syllabus-01)**

Physics 1st Paper Reference Book: **মাতালাল TEXT**

Chapter	Lecture	Lecture-based discussion
<b>Chapter-2</b> 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

Chemistry 1st Paper Reference Book: **মাতালাল TEXT**

Chapter	Lecture	Lecture-based discussion
<b>Chapter-2</b> Qualitative Chemistry Introduction	C-05	Fundamental particles of atoms, introduction, and atomic models- electron, proton and neutrons discussion, atomic mass unit, atomic expression, isotope, isotone, isobar, isoelectronic, isomer.
	C-06	Radioactive isotope and nuclear reaction (Transmutation, fission and fusion), Rutherford's atomic model discussion.
	C-07	Bohr's atomic model discussion, Application of atomic models and Quantum Mechanics-Derivation for $v$ , $r$ , $n$ , $E$ from Bohr's model, Related Math.
	C-08	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
	C-10	Significance of Quantum Number, 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.

H.Math 1st Paper Reference Book: **মাতালাল TEXT**

Chapter	Lecture	Lecture-based discussion
<b>Chapter-3</b> 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.

Botany Reference Book: **মাতালাল TEXT**

Chapter	Lecture	Lecture-based discussion
<b>Chapter 1</b> 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



**উদ্ভাস**

একাডেমিক এন্ড এডমিশন কেয়ার



দেশব্যাপী ৬৪ জেলায় ১০৮ টি শাখায়  
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