UDVASH
Academic And Admission Care

HSC 1st Year Academic Program Pioneer Batch

Class and Exam Routine-01

Helpline
09 666 77 55 66

Orientation Class on 17 June 2026 (Wednesday)-7:30PM			
Date and time	**Live Class-01 Time-2:30pm**	**Live Class-02 Time-6:30pm**	**Live Class Online- 8 am to 11:55 pm**
23 June 2026 (Tuesday)	Botany (B-01)	Chemistry (C-05)	**Basic Introductory Exam**
25 June 2026 (Thursday)	Physics (P-03)	Botany (B-02)	Daily Live Exam B-01 MCQ (10×1=10); 10 min. Daily Live Exam C-05 MCQ (10×1=10); 10 min.
26 June 2026 (Friday)	Physics (P-04)	H.Math (HM-13)	Daily Live Exam P-03 MCQ (10×1=10); 10 min. Daily Live Exam B-02 MCQ (10×1=10); 10 min.
28 June 2026 (Sunday)	H.Math (HM-01)	Chemistry (C-23)	Daily Live Exam P-04 MCQ (10×1=10); 10 min. Daily Live Exam HM-13 MCQ (10×1=10); 10 min.
30 June 2026 (Tuesday)	Botany (B-03)	Chemistry (C-06)	Daily Live Exam M-01 MCQ (10×1=10); 10 min. Daily Live Exam C-23 MCQ (10×1=10); 10 min.
02 July 2026 (Thursday)	Physics (P-05)	H.Math (HM-14)	Daily Live Exam B-03 MCQ (10×1=10); 10 min. Daily Live Exam C-06 MCQ (10×1=10); 10 min.
03 July 2026 (Friday)	Physics (P-06)	H.Math (HM-15)	Daily Live Exam P-05 MCQ (10×1=10); 10 min. Daily Live Exam HM-14 MCQ (10×1=10); 10 min.
05 July 2026 (Sunday)	H.Math (HM-02)	Chemistry (C-24)	Daily Live Exam P-06 MCQ (10×1=10); 10 min. Daily Live Exam HM-15 MCQ (10×1=10); 10 min.
07 July 2026 (Tuesday)	Botany (B-04)	Chemistry (C-07)	Daily Live Exam HM-02 MCQ (10×1=10); 10 min. Daily Live Exam C-24 MCQ (10×1=10); 10 min.
09 July 2026 (Thursday)	Physics (P-07)	Botany (B-05)	Daily Live Exam B-04 MCQ (10×1=10); 10 min. Daily Live Exam C-07 MCQ (10×1=10); 10 min.
10 July 2026 (Friday)	Physics (P-08)	H.Math (HM-16)	Daily Live Exam P-07 MCQ (10×1=10); 10 min. Daily Live Exam B-05 MCQ (10×1=10); 10 min.
12 July 2026 (Sunday)	H.Math (HM-03)	Chemistry (C-25)	Daily Live Exam P-08 MCQ (10×1=10); 10 min. Daily Live Exam HM-16 MCQ (10×1=10); 10 min.
14 July 2026 (Tuesday)	Botany (B-06)	Chemistry (C-08)	Daily Live Exam HM-03 MCQ (10×1=10); 10 min. Daily Live Exam C-25 MCQ (10×1=10); 10 min.
16 July 2026 (Thursday)	Physics (P-09)	Botany (B-07)	Daily Live Exam B-07 MCQ (10×1=10); 10 min. Daily Live Exam C-06MCQ (10×1=10); 10 min.
17 July 2026 (Friday)	Physics (P-10)	H.Math (HM17)	Daily Live Exam P-09 MCQ (10×1=10); 10 min. Daily Live Exam B-07 MCQ (10×1=10); 10 min.
19 July 2026 (Sunday)	H.Math (HM-03)	Chemistry (C-26)	Daily Live Exam P-10 MCQ (10×1=10); 10 min. Daily Live Exam HM-17 MCQ (10×1=10); 10 min.
21 July 2026 (Tuesday)	Botany (B-08)	Chemistry (C-09)	Daily Live Exam HM-04 MCQ (10×1=10); 10 min. Daily Live Exam C-26 MCQ (10×1=10); 10 min.
23 July 2026 (Thursday)	Physics (P-11)	Botany (B-13)	Daily Live Exam B-08 MCQ (10×1=10); 10 min. Daily Live Exam C-09 MCQ (10×1=10); 10 min.
24 July 2026 (Friday)	Physics (P-12)	H.Math (HM-18)	Daily Live Exam P-11 MCQ (10×1=10); 10 min. Daily Live Exam B-13 MCQ (10×1=10); 10 min.
25 July 2026 (Saturday) **Chapter-wise Exam-01**	**H.Math Problem Solving Class-01**		
	Botany Chapter-01 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.		
26 July 2026 (Sunday)	H.Math (HM-05)	Chemistry (C-27)	Daily Live Exam P-12 MCQ (10×1=10); 10 min. Daily Live Exam HM-18 MCQ (10×1=10); 10 min.
27 July 2026 (Monday)	**Biology Problem Solving Class-01**		
28 July 2026 (Tuesday)	Botany (B-09)	Chemistry (C-10)	Daily Live Exam HM-05 MCQ (10×1=10); 10 min. Daily Live Exam C-27 MCQ (10×1=10); 10 min.
29 July 2026 (Wednesday)	**Chemistry Problem Solving Class-01**		
30 July 2026 (Thursday)	Physics (P-13)	Botany (B-14)	Daily Live Exam B-09 MCQ (10×1=10); 10 min. Daily Live Exam C-10 MCQ (10×1=10); 10 min.
31 July 2026 (Friday)	Physics (P-14)	H.Math (HM-19)	Daily Live Exam P-13 MCQ (10×1=10); 10 min. Daily Live Exam B-14 MCQ (10×1=10); 10 min.
01 August 2026 (Saturday)	**Physics Problem Solving Class-01**		
02 August 2026 (Sunday)	H.Math (HM-06)	Chemistry (C-28)	Daily Live Exam P-14 MCQ (10×1=10); 10 min. Daily Live Exam HM-19 MCQ (10×1=10); 10 min.
03 August 2026 (Monday)	**Guideline Seminar-01**		

Chapter-wise Exam-02	**H.Math 1st Paper Chapter-03 [Part-01 Lecture HM-13 to 18]; (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.**		
04 August 2026 (Tuesday)	Botany (B-10)	Chemistry (C-11)	Daily Live Exam HM-06 MCQ (10×1=10); 10 min. Daily Live Exam C-28 MCQ (10×1=10); 10 min.
06 August 2026 (Thursday)	Physics (P-15)	Botany (B-15)	Daily Live Exam B-10 MCQ (10×1=10); 10 min. Daily Live Exam C-11 MCQ (10×1=10); 10 min.
07 August 2026 (Friday)	Physics (P-16)	H.Math (HM-20)	Daily Live Exam P-15 MCQ (10×1=10); 10 min. Daily Live Exam B-15 MCQ (10×1=10); 10 min.
08 August 2026 (Saturday) **Chapter-wise Exam-03**	**Physics 1st Paper Chapter-02 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.**		
09 August 2026 (Sunday)	H.Math (HM-07)	Chemistry (C-29)	Daily Live Exam P-16 MCQ (10×1=10); 10 min. Daily Live Exam HM-20 MCQ (10×1=10); 10 min.
11 August 2026 (Tuesday)	Botany (B-11)	Chemistry (C-12)	Daily Live Exam HM-07 MCQ (10×1=10); 10 min. Daily Live Exam C-29 MCQ (10×1=10); 10 min.
13 August 2026 (Thursday)	Physics (P-17)	Botany (B-16)	Daily Live Exam B-11 MCQ (10×1=10); 10 min. Daily Live Exam C-12 MCQ (10×1=10); 10 min.
14 August 2026 (Friday)	Physics (P-18)	H.Math (HM-21)	Daily Live Exam P-17 MCQ (10×1=10); 10 min. Daily Live Exam B-16 MCQ (10×1=10); 10 min.
15 August 2026 (Saturday) **Chapter-wise Exam-04**	**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-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** 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 subjects**. 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**).

1st Year Pioneer Batch Syllabus-01

Physics 1st Paper		
Chapter	**Lecture**	**Lecture-based discussion topics**
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. Concept of vector in Cartesian coordinate system.
	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	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
	P-11	Dot product of vectors, CQ & Admission standard problems
	P-12	Cross product of vectors, CQ & Admission standard problems
	P-13	Calculus, differentiation, integration, functions with multiple variables, and partial differentiation.
	P-14	Scalar and vector fields, gradient, divergence, curl.
Chapter-3 Dynamics	P-15	Frame of reference, Rest and motion, distance and displacement, average velocity and average speed, instantaneous velocity and instantaneous speed, acceleration, equations of motion for uniform acceleration in one dimension.
	P-16	CQ & Admission Standard Problems on Equation of Motion, Describing Motion with the help of graphs, Concepts of slope and area in describing motion
	P-17	Motion of free-falling bodies, vertical motion, equations for thrown body, Galileo's laws derived from the equations of motion.

	P-18	CQ & Admission Standard Problems related to Vertical Motion, Motion of objects along curved paths, vector representation of equations of motion for uniformly accelerated motion, projectile motion, equation of projectile trajectory, equations related to projectile.

Chemistry 1st Paper		
Chapter	**Lecture**	**Lecture-based discussion topics**
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	De Broglie's equation, Heisenberg's uncertainty principle, Schrodinger's wave equation, Related Math. Orbit and Orbital Discussion, Quantum Subshell shapes and discussion.
	C-10	Electromagnetic spectrum- Discussion, quantities related to radiation, regions of electromagnetic ray, classification of spectrum, identification of compounds using spectrum.
	C-11	Quantum Number- Principal Quantum number, Subsidiary Quantum Number, Magnetic Quantum Number, Spin Quantum Number, Significance of Quantum Number
	C-12	Electronic Configuration- Aufbau Principle, Hund's Rule, Pauli's Exclusion Principle, e^- configuration of compounds and ions, stability of electronic configuration.
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).
	C-27	Periodic properties- atomic size, Ionization energy, Electron affinity, Electronegativity
	C-28	Ligand, Coordinate covalent bond, Acidity/Basicity of oxides.
	C-29	Chemical properties of block elements (Chemical properties of d block elements, Chemical properties of **f** block elements).

H.Math 1st Paper		
Chapter	**Lecture**	**Lecture-based discussion topics**
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.
	HM-05	Exercise - 1.2; Minors and co-factors of determinant, singular and non-singular matrix and problems related to singular and non-singular matrix.
	HM-06	Exercise - 1.2; Inverse matrix, problems related to inverse matrix, properties of determinant.
	HM-07	Exercise - 1.2; Problems related to proof of identity with determinants, proof without expansion.
	HM-08	Exercise - 1.2; Solving equations with determinants, Solving systems of equations - Cramer's rule, solving systems of equations - Inverse matrix method, Problems related to solving systems of equations, Special formula related to the magnitude of determinants.
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.
	HM-21	Exercise – 3.5; locus related. Exercise – 3.6; Related to condition for three straight lines to be congruent, related to two parallel straight lines, related to parallel straight lines of a straight line.

Biology 1st Paper		
Chapter	**Lecture**	**Lecture-based discussion topics**
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, Nucleic Acid.
	B-06	DNA, Replication.
	B-07	RNA, Transcription, Reverse Transcription
	B-08	Translation, Central Dogma of Biology, Gene, Genetic Code
Chapter-2 Cell Division	B-09	Amitosis, Cell Cycle: Controllers of Cell Cycle, Interphase: G_1 Phase, S Phase, G_2 Phase.
	B-10	M-phase (Prophase, Prometaphase, Metaphase, Anaphase, Telophase) *Uncontrolled Mitosis,* Cell Death
	B-11	Importance of Mitosis, Meiosis: Meiosis 1: Prophase-1, Metaphase-1, Anaphase-1, Telophase-1, Interkinesis-1
Chapter-3 Cell Chemistry	B-13	Carbohydrate: Characteristics of Carbohydrate, Types of Carbohydrate: Monosaccharide (Triose, Tetrose, Pentose).
	B-14	Monosaccharide (Hexose, Heptose), Disaccharide
	B-15	Oligosaccharide, Polysaccharide, Functions of Carbohydrate
	B-16	Amino Acid: Types of Amino Acid, Protein: Types of Protein