

## HSC 2nd Year Academic Program Pioneer Batch

### Class & Exam Routine-02

**Helpline**

**09 666 77 55 66**

Date & Day	Live Class-01 2:30pm	Live Class-02 6:30pm	Live Exam Online: From 8:00am to 11:55pm
03 May 2026 (Sunday)	Chemistry (C-16)	Physics (P-17)	Daily Live Exam B-06 MCQ (10×1=10); 10 min. Daily Live Exam HM-01 MCQ (10×1=10); 10 min.
04 May 2026 (Monday)	Chemistry (C-17)	H.Math (HM-02)	Daily Live Exam C-16 MCQ (10×1=10); 10 min. Daily Live Exam P-17 MCQ (10×1=10); 10 min.
05 May 2026 (Tuesday)	Chemistry (C-18)	H.Math (HM-03)	Daily Live Exam C-17 MCQ (10×1=10); 10 min. Daily Live Exam HM-02 MCQ (10×1=10); 10 min.
06 May 2026 (Wednesday)	Physics (P-19)	H.Math (HM-15)	Daily Live Exam C-18 MCQ (10×1=10); 10 min. Daily Live Exam HM-03 MCQ (10×1=10); 10 min.
07 May 2026 (Thursday)	Botany (B-07)	Physics (P-25)	Daily Live Exam P-19 MCQ (10×1=10); 10 min. Daily Live Exam HM-15 MCQ (10×1=10); 10 min.
<b>08 May 2026 (Friday)</b>	<b>Biology Problem Solving Class-01</b>		
<b>09 May 2026 (Saturday)</b> Chapter-wise Exam-07	<b>Physics 2nd Paper Chapter-01 (CQ 2×10=20); Time: 50min &amp; (Pre-Admission MCQ 10×1=10); Time: 10min.</b>		
10 May 2026 (Sunday)	Chemistry (C-19)	Physics (P-18)	Daily Live Exam B-07 MCQ (10×1=10); 10 min. Daily Live Exam P-25 MCQ (10×1=10); 10 min.
11 May 2026 (Monday)	Chemistry (C-20)	H.Math (HM-04)	Daily Live Exam C-19 MCQ (10×1=10); 10 min. Daily Live Exam P-18 MCQ (10×1=10); 10 min.
12 May 2026 (Tuesday)	Botany (B-08)	H.Math (HM-05)	Daily Live Exam C-20 MCQ (10×1=10); 10 min. Daily Live Exam HM-04 MCQ (10×1=10); 10 min.
13 May 2026 (Wednesday)	Physics (P-20)	H.Math (HM-16)	Daily Live Exam B-08 MCQ (10×1=10); 10 min. Daily Live Exam HM-05 MCQ (10×1=10); 10 min.
14 May 2026 (Thursday)	Chemistry (C-21)	Zoology (Z-07)	Daily Live Exam P-20 MCQ (10×1=10); 10 min. Daily Live Exam HM-16 MCQ (10×1=10); 10 min.
<b>15 May 2026 (Friday)</b>	<b>Chemistry Problem Solving Class-02</b>		
<b>Chapter-wise Exam-08</b>	<b>Physics 2nd Paper Chapter-02 (CQ 2×10=20); Time: 50min &amp; (Pre-Admission MCQ 10×1=10); Time: 10min.</b>		
<b>16 May 2026 (Saturday)</b> Chapter-wise Exam-09	<b>Chemistry 2nd Paper Chapter-02 (Part-01); Lecture C-11 to 19; (CQ 2×10=20); Time: 50min &amp; (Pre-Admission MCQ 10×1=10); Time: 10min.</b>		
17 May 2026 (Sunday)	Chemistry (C-22)	Zoology (Z-08)	Daily Live Exam C-21 MCQ (10×1=10); 10 min. Daily Live Exam Z-07 MCQ (10×1=10); 10 min.
18 May 2026 (Monday)	Chemistry (C-23)	H.Math (HM-06)	Daily Live Exam C-22 MCQ (10×1=10); 10 min. Daily Live Exam Z-08 MCQ (10×1=10); 10 min.
19 May 2026 (Tuesday)	Chemistry (C-24)	H.Math (HM-39)	Daily Live Exam C-23 MCQ (10×1=10); 10 min. Daily Live Exam HM-06 MCQ (10×1=10); 10 min.
20 May 2026 (Wednesday)	Physics (P-21)	H.Math (HM-17)	Daily Live Exam C-24 MCQ (10×1=10); 10 min. Daily Live Exam HM-39 MCQ (10×1=10); 10 min.
<b>21 May 2026 (Thursday)</b>	<b>H.Math Problem Solving Class-02</b>		
<b>22 May 2026 (Friday)</b> Chapter-wise Exam-10	<b>H.Math 2nd Paper Chapter-01 (CQ 2×10=20); Time: 50min &amp; (Pre-Admission MCQ 10×1=10); Time: 10min.</b>		
<b>Online classes and exams will be closed from May 23 to June 1 on the occasion of Eid-ul-Azha.</b>			
02 June 2026 (Tuesday)	Chemistry (C-25)	H.Math (HM-40)	Daily Live Exam P-21 MCQ (10×1=10); 10 min. Daily Live Exam HM-17 MCQ (10×1=10); 10 min.
03 June 2026 (Wednesday)	Physics (P-26)	H.Math (HM-18)	Daily Live Exam C-25 MCQ (10×1=10); 10 min. Daily Live Exam HM-40 MCQ (10×1=10); 10 min.
04 June 2026 (Thursday)	Zoology (Z-09)	Physics (P-27)	Daily Live Exam P-26 MCQ (10×1=10); 10 min. Daily Live Exam HM-18 MCQ (10×1=10); 10 min.
<b>05 June 2026 (Friday)</b> Chapter-wise Exam-11	<b>Guideline Seminar-02</b>		
	<b>Botany Chapter-08 (CQ 2×10=20); Time: 50min &amp; (Pre-Admission MCQ 10×1=10); Time: 10min.</b>		

<b>06 June 2026 (Saturday)</b> <b>Chapter-wise Exam-12</b>	<b>H.Math 2nd Paper Chapter-02 (CQ 2×10=20); Time: 50min &amp; (Pre-Admission MCQ 10×1=10); Time: 10min.</b>		
07 June 2026 (Sunday)	Chemistry (C-26)	Zoology (Z-10)	Daily Live Exam Z-09 MCQ (10×1=10); 10 min. Daily Live Exam P-27 MCQ (10×1=10); 10 min.
08 June 2026 (Monday)	Chemistry (C-27)	H.Math (HM-41)	Daily Live Exam C-26 MCQ (10×1=10); 10 min. Daily Live Exam Z-10 MCQ (10×1=10); 10 min.
09 June 2026 (Tuesday)	Chemistry (C-28)	H.Math (HM-42)	Daily Live Exam C-27 MCQ (10×1=10); 10 min. Daily Live Exam HM-41 MCQ (10×1=10); 10 min.
10 June 2026 (Wednesday)	Physics (P-22)	H.Math (HM-43)	Daily Live Exam C-28 MCQ (10×1=10); 10 min. Daily Live Exam HM-42 MCQ (10×1=10); 10 min.
11 June 2026 (Thursday)	Zoology (Z-13)	Physics (P-28)	Daily Live Exam P-22 MCQ (10×1=10); 10 min. Daily Live Exam HM-43 MCQ (10×1=10); 10 min.
<b>12 June 2026 (Friday)</b>	<b>Physics Problem Solving Class-02</b>		
<b>13 June 2026 (Saturday)</b> <b>Chapter-wise Exam-13</b>	<b>Chemistry 2nd Paper Chapter-02 (Part-02); Lecture C-20 to 27; (CQ 2×10=20); Time: 50min &amp; (Pre-Admission MCQ 10×1=10); Time: 10min.</b>		
14 June 2026 (Sunday)	Chemistry (C-29)	Zoology (Z-11)	Daily Live Exam Z-13 MCQ (10×1=10); 10 min. Daily Live Exam P-28 MCQ (10×1=10); 10 min.
15 June 2026 (Monday)	Chemistry (C-30)	H.Math (HM-19)	Daily Live Exam C-29 MCQ (10×1=10); 10 min. Daily Live Exam Z-11 MCQ (10×1=10); 10 min.
16 June 2026 (Tuesday)	Chemistry (C-31)	H.Math (HM-20)	Daily Live Exam C-30 MCQ (10×1=10); 10 min. Daily Live Exam HM-19 MCQ (10×1=10); 10 min.
17 June 2026 (Wednesday)	Physics (P-23)	H.Math (HM-21)	Daily Live Exam C-31 MCQ (10×1=10); 10 min. Daily Live Exam HM-20 MCQ (10×1=10); 10 min.
18 June 2026 (Thursday)	Zoology (Z-14)	Physics (P-29)	Daily Live Exam P-23 MCQ (10×1=10); 10 min. Daily Live Exam HM-21 MCQ (10×1=10); 10 min.
<b>19 June 2026 (Friday)</b>	<b>Biology Problem Solving Class-02</b>		
<b>20 June 2026 (Saturday)</b>	<b>Chemistry Problem Solving Class-03</b>		
21 June 2026 (Sunday)	Chemistry (C-32)	Physics (P-30)	Daily Live Exam Z-14 MCQ (10×1=10); 10 min. Daily Live Exam P-29 MCQ (10×1=10); 10 min.
22 June 2026 (Monday)	Chemistry (C-33)	H.Math (HM-44)	Daily Live Exam C-32 MCQ (10×1=10); 10 min. Daily Live Exam P-30 MCQ (10×1=10); 10 min.
23 June 2026 (Tuesday)	Chemistry (C-34)	H.Math (HM-45)	Daily Live Exam C-33 MCQ (10×1=10); 10 min. Daily Live Exam HM-44 MCQ (10×1=10); 10 min.
24 June 2026 (Wednesday)	Physics (P-24)	H.Math (HM-46)	Daily Live Exam C-34 MCQ (10×1=10); 10 min. Daily Live Exam HM-45 MCQ (10×1=10); 10 min.
25 June 2026 (Thursday)	Zoology (Z-15)	Physics (P-31)	Daily Live Exam P-24 MCQ (10×1=10); 10 min. Daily Live Exam HM-46 MCQ (10×1=10); 10 min.
<b>26 June 2026 (Friday)</b> <b>Chapter-wise Exam-14</b>	<b>H.Math Problem Solving Class-03</b>		
	<b>H.Math 2nd Paper Chapter-07 (CQ 2×10=20); Time: 50min &amp; (Pre-Admission MCQ 10×1=10); Time: 10min.</b>		
<b>27 June 2026 (Friday)</b> <b>Chapter-wise Exam-15</b>	<b>Physics 2nd Paper Chapter-03 (CQ 2×10=20); Time: 50min &amp; (Pre-Admission MCQ 10×1=10); Time: 10min.</b>		
<b>The next class and exam routine-03 will be published...</b>			
<b>***The routine can change or be modified in case of special necessities***</b>			

#### 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 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-উদ্ভাস**).

**2nd Year Pioneer Batch Syllabus-02**

<b>Physics 2nd Paper</b>		
<b>Chapter</b>	<b>Lecture</b>	<b>Lecture-based discussion topics</b>
<b>Chapter-2</b> Static Electricity	P-17	Torque of a dipole in uniform electric field, Work done by rotation of dipole, Potential energy of a dipole, Gauss' Theorem, Electric flux, Electric flux in a closed surface, Gauss' law from Coulomb's law.
	P-18	Use of Gauss's theorem, Electric field for charged conductor sphere, Electric field for charged insulator sphere, Electric field for line of charges, Electric field for charged conductor plate, Electric field for charged conductor parallel plates.
<b>Chapter-3</b> Current Electricity	P-19	Current flow, Direction of current flow, Drifting velocity of electron, Current density, Ohm's Law, Resistance, Conductivity, Effect of temperature on resistance, Conductivity coefficient, Electric cell, Electromotive force of a cell, Internal resistance of a cell.
	P-20	Electric Circuit, Resistance combination, Series combination, Parallel combination, Equivalent resistance, Work done by electricity and electric force, Joule's thermal law.
	P-21	Voltage divider law, Current divider law, Shunt, Relation between shunt current and galvanometer current, Use of shunt on ammeter, Increasing the range of ammeter, Use of Shunt on voltmeter, Increasing the range of voltmeter.
	P-22	kWh, Rating of Electrical Devices, Rating of Voltage, Rating of Watt, Security fuse, Voltage on various points of a circuit, Combination of cells, Series and parallel connection, Mixed connection.
	P-23	Kirchhoff's law: First law, second law, General mathematical problems related to Kirchhoff's law.
	P-24	CQ and admission standard mathematical problems related to Kirchhoff's law, Wheatstone Bridge, Potentiometer, Meter Bridge.
<b>Chapter-4</b> Magnetic Effects of Current and Magnetism	P-25	Basic concepts of magnetic materials, magnetic field, magnetic force, Lorentz force, and related mathematical problems, motion of a charge in a magnetic field, circular motion, and related mathematical problems.
	P-26	Helical motion of a charge and mathematical problems, Hall effect, Hall voltage, and related mathematical problems, force on a current-carrying conductor in a magnetic field, Fleming's left-hand rule, and related mathematical problems.
	P-27	Torque acting on a closed current loop in a magnetic field, and general mathematical problems, Oersted's Principle, Biot-Savart's Law, Application of the Biot-Savart's Law, Magnetic Field for a Straight Electric Wire of Infinite Length and related CQ & Admission Standard Problems.
	P-28	Magnetic Field for a Straight Electric Wire of Finite Length, Determination of the magnitude and direction of the magnetic field at the center of a current-carrying circular coil, Force Between Two Infinitely Long Parallel Current-Carrying Conductors.
	P-29	Ampere's law, applications of Ampere's Law and Mathematical Problems Related to Magnetic Field Determination.
	P-30	Magnetic Field Due to the Orbital Motion of an Electron and the Expression for Magnetic Dipole Moment, Magnetic Dipole Moment Due to the Spin of an Electron or its Rotation About Its Own Axis.
	P-31	Geomagnetism, Quantities related to Magnets and Magnetic Materials, Different Types of Magnetic Materials, Hysteresis.

<b>Chemistry 2nd Paper</b>		
<b>Chapter</b>	<b>Lecture</b>	<b>Lecture-based discussion topics</b>
<b>Chapter-2</b> Organic Chemistry	C-16	Technique of Organic Reaction- Division of bond (uniform and ununiform), Electrophile, Nucleophile, Carbocation, Carbanion.
	C-17	Aliphatic hydrocarbon- Saturated hydrocarbon (Alkane and everything of alkane)
	C-18	Unsaturated hydrocarbon (Alkene and everything of alkene)
	C-19	Unsaturated hydrocarbon (Alkyne and everything of alkyne)
	C-20	Benzene and Its Discussion, Source of Benzene, Characteristics and specialty of benzene, Aromaticity and Huckel law.
	C-21	Preparation and technique of benzene reaction, Homologous of benzene.
	C-22	Toluene and everything of it
	C-23	Alkyl halide and everything about it.
	C-24	Nucleophile substitution (SN1 and SN2), Electrophilic elimination (E1 and E2)
	C-25	Aryl Halide and everything of it
	C-26	Everything about alcohol and ether.
	C-27	Phenol and everything about it.
	C-28	Aldehyde-Ketone introduction & preparation
	C-29	Aldehyde-Ketone chemical reaction and everything else
	C-30	Aromatic aldehyde-ketone and everything of it.
	C-31	Carboxylic acid and everything about it.
	C-32	Benzoic acid and everything about it.
C-33	Amine and everything about it.	
C-34	Aniline and everything of it	

<b>H.Math 2nd Paper</b>		
<b>Chapter</b>	<b>Lecture</b>	<b>Lecture-based discussion topics</b>
<b>Chapter-1</b>	HM-02	Exercise-1.1 - Interval, absolute value, solution of inequalities related to absolute value, proof involving absolute value.

Real number and inequality	HM-03	Exercise-1.1 Completeness of real numbers, set bounded above, set bounded below (Supremum & Infimum), Exercise 1.2 Solution of inequalities with one variable (linear and quadratic).
	HM-04	Exercise 1.2 Solution of inequalities with one variable (polynomial), linear inequalities with two variables and solution with graph.
<b>Chapter-2</b> Linear Programming	HM-05	Exercise-2 - Drawing graph from linear inequalities, solution region, general problems with bounded solution region.
	HM-06	Exercise-2 - Practical problems with bounded solution region, open solution region, model of linear programs, advantages and use
<b>Chapter-4</b> Polynomials and Polynomial equations	HM-15	Exercise-4; Polynomial functions and polynomial equations, roots of polynomial equations, some theorems related to polynomials, solving quadratic equations with the help of factors.
	HM-16	Exercise-4; General solution of quadratic equations, discriminant, determining the nature of roots of quadratic equations
	HM-17	Exercise-4; Properties of roots in terms of coefficients, root-coefficient relationship of quadratic equations.
	HM-18	Exercise-4; Polynomial equations with real coefficients, polynomial equations with rational coefficients, forming equations from roots.
	HM-19	Exercise-4; Determining the x-intercept of a polynomial function related, maximum and minimum values of a quadratic polynomial function, determining the line of symmetry of a quadratic function. Drawing a graph of any quadratic function.
	HM-20	Exercise-8; Graph of $y = f(x) = ax^n + b$ [n odd and even], common root, Relationship between coefficients and roots of cubic equations.
	HM-21	Exercise-4; Relationship between coefficients and roots of polynomial equations and formation of polynomial equations, equations with symmetric roots.
<b>Chapter-7</b> Inverse Trigonometric Functions and Trigonometric Equations	HM-39	Exercise-7.1; Conditions and graph of inverse trigonometric function (proof of formula, and examples), Arc function.
	HM-40	Exercise-7.1; Value of inverse trigonometric function, domain range of inverse trigonometric function, some necessary relations.
	HM-41	Exercise-7.1; Transformation of inverse trigonometric function, formula of inverse trigonometric function.
	HM-42	Exercise-7.1; Determination of value of inverse trigonometric function related problems, solution and proof of inverse trigonometric function related problems.
	HM-43	Exercise-7.2; General solution of trigonometric equation, solution of trigonometric equation in certain range, square related problems.
	HM-44	Exercise-7.2; Extraneous root, $a \sin \theta + b \cos \theta = c$ related solution.
	HM-45	Exercise-7.2; Solve secant/cosecant related problems using the formula for $\tan(x + y)$ .
	HM-46	Exercise-7.2; Solution from the sum of trigonometric expressions, solution from the product of trigonometric expressions.

### Botany

Chapter	Lecture	Lecture-based discussion topics
<b>Chapter-08</b> Tissue and Tissue System	B-07	Ground tissue system, Vascular tissue system.
	B-08	Internal structure of monocot root and monocot stem, Primary internal structure of dicot stem.

### Zoology

Chapter	Lecture	Lecture-based discussion topics
<b>Chapter-8</b> Human Physiology: Coordination and Control	Z-07	Nervous coordination, function of the nervous system, neurons, types of neurons, neuroglia, neurotransmitters, synapses, transmission of stimuli through synapses.
	Z-08	Central nervous system, brain, forebrain, midbrain, hindbrain.
	Z-09	Brain ventricles, cerebrospinal fluid, human cranial nerves (names, origins, branches, distribution, nature and functions), spinal cord.
	Z-10	Human sensory organs, eye-organ of vision, eyeball, accessory parts of the eye, image formation and mechanism of vision, accommodation, binocular vision.
	Z-11	Ear - organ of hearing and balance (external ear, middle ear, inner ear), role of the ear in hearing and balance.
<b>Chapter-9</b> Continuation of human life	Z-13	Reproductive system, male reproductive system, female reproductive system, different stages and phases of reproduction, puberty, menstrual cycle.
	Z-14	formation of gamete (spermatogenesis, sperm formation, oogenesis, formation of ovum).
	Z-15	Fertilization, implantation, placenta, foetal membranes, human embryogenesis, embryo and fetus development.



দেশব্যাপী **উদ্ভাস-উন্মেষ** এর  
শাখাসমূহের বিস্তারিত ঠিকানা  
দেখতে **QR** কোডটি স্ক্যান করো

**উদ্ভাস-উন্মেষ** এর  
**App** ডাউনলোড করতে  
**QR** কোডটি স্ক্যান করো

