

**UDVASH**

Academic And Admission Care

HSC 2nd Year Academic Program Progressive Batch**Class & Exam Routine-01****Helpline****09 666 77 55 66**

16 July 2026 (Thursday) Orientation class [Time-7:30pm]			
Date & Day	Live Class-01 2:30pm	Live Class-02 6:30pm	Live Exam Online: From 8:00am to 11:55pm
18 July 2026 (Saturday)	Physics (P-01)	H.Math (HM-07)	Basic Introductory Exam MCQ (10×1=10); 10 min.
19 July 2026 (Sunday)	Chemistry (C-01)	Physics (P-02)	Daily Live Exam P-01 MCQ (10×1=10); 10 min. Daily Live Exam HM-07 MCQ (10×1=10); 10 min.
20 July 2026 (Monday)	Chemistry (C-02)	H.Math (HM-08)	Daily Live Exam C-01 MCQ (10×1=10); 10 min. Daily Live Exam P-02 MCQ (10×1=10); 10 min.
21 July 2026 (Tuesday)	Physics (P-09)	H.Math (HM-23)	Daily Live Exam C-02 MCQ (10×1=10); 10 min. Daily Live Exam HM-08 MCQ (10×1=10); 10 min.
22 July 2026 (Wednesday)	H.Math (HM-09)	Zoology (Z-01)	Daily Live Exam P-09 MCQ (10×1=10); 10 min. Daily Live Exam HM-23 MCQ (10×1=10); 10 min.
23 July 2026 (Thursday)	Chemistry (C-03)	Botany (B-01)	Daily Live Exam HM-09 MCQ (10×1=10); 10 min. Daily Live Exam Z-01 MCQ (10×1=10); 10 min.
25 July 2026 (Saturday)	Physics (P-03)	H.Math (HM-10)	Daily Live Exam C-03 MCQ (10×1=10); 10 min. Daily Live Exam B-01 MCQ (10×1=10); 10 min.
26 July 2026 (Sunday)	Chemistry (C-04)	Physics (P-04)	Daily Live Exam P-03 MCQ (10×1=10); 10 min. Daily Live Exam HM-10 MCQ (10×1=10); 10 min.
27 July 2026 (Monday)	H.Math (HM-24)	Chemistry (C-05)	Daily Live Exam C-04 MCQ (10×1=10); 10 min. Daily Live Exam P-04 MCQ (10×1=10); 10 min.
28 July 2026 (Tuesday)	Physics (P-10)	H.Math (HM-25)	Daily Live Exam HM-24 MCQ (10×1=10); 10 min. Daily Live Exam C-05 MCQ (10×1=10); 10 min.
29 July 2026 (Wednesday)	H.Math (HM-11)	Zoology (Z-02)	Daily Live Exam P-10 MCQ (10×1=10); 10 min. Daily Live Exam HM-25 MCQ (10×1=10); 10 min.
30 July 2026 (Thursday)	Chemistry (C-06)	Botany (B-02)	Daily Live Exam HM-11 MCQ (10×1=10); 10 min. Daily Live Exam Z-02 MCQ (10×1=10); 10 min.
31 July 2026 (Friday) Chapter wise exam-01	H. Math Problem Solving Class- 01		
	Chemistry 2nd Paper Chapter- 01 [Part-01, Lecture C-01 to 05]; (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.		
01 August 2026 (Saturday)	Physics (P-05)	H.Math (HM-12)	Daily Live Exam C-06 MCQ (10×1=10); 10 min. Daily Live Exam B-02 MCQ (10×1=10); 10 min.
02 August 2026 (Sunday)	Chemistry (C-07)	Physics (P-06)	Daily Live Exam P-05 MCQ (10×1=10); 10 min. Daily Live Exam HM-12 MCQ (10×1=10); 10 min.
03 August 2026 (Monday)	H.Math (HM-26)	Chemistry (C-08)	Daily Live Exam C-07 MCQ (10×1=10); 10 min. Daily Live Exam P-06 MCQ (10×1=10); 10 min.
04 August 2026 (Tuesday)	Physics (P-11)	H.Math (HM-27)	Daily Live Exam HM-26 MCQ (10×1=10); 10 min. Daily Live Exam C-08 MCQ (10×1=10); 10 min.
Online classes and exams will be closed on 05 August 2026 (Wednesday) on the occasion of "July Mass Uprising Day"			
06 August 2026 (Thursday)	Chemistry (C-09)	Botany (B-03)	Daily Live Exam P-11 MCQ (10×1=10); 10 min. Daily Live Exam HM-27 MCQ (10×1=10); 10 min.
07 August 2026 (Friday)	Chemistry Problem Solving Class-01	Physics Problem Solving Class-01	
08 August 2026 (Saturday)	Physics (P-07)	H.Math (HM-13)	Daily Live Exam C-09 MCQ (10×1=10); 10 min. Daily Live Exam B-03 MCQ (10×1=10); 10 min.
09 August 2026 (Sunday)	Chemistry (C-10)	Physics (P-08)	Daily Live Exam P-07 MCQ (10×1=10); 10 min. Daily Live Exam HM-13 MCQ (10×1=10); 10 min.
10 August 2026 (Monday)	Chemistry (C-11)	H.Math (HM-28)	Daily Live Exam C-10 MCQ (10×1=10); 10 min. Daily Live Exam P-08 MCQ (10×1=10); 10 min.
11 August 2026 (Tuesday)	Physics (P-12)	H.Math (HM-01)	Daily Live Exam C-11 MCQ (10×1=10); 10 min. Daily Live Exam HM-28 MCQ (10×1=10); 10 min.
12 August 2026 (Wednesday)	H.Math (HM-14)	Zoology (Z-03)	Daily Live Exam P-12 MCQ (10×1=10); 10 min. Daily Live Exam HM-01 MCQ (10×1=10); 10 min.
13 August 2026 (Thursday)	Chemistry (C-12)	Botany (B-04)	Daily Live Exam HM-14 MCQ (10×1=10); 10 min. Daily Live Exam Z-03 MCQ (10×1=10); 10 min.
14 August 2026 (Friday) Chapter wise exam-02	Guideline seminar-01		
	Chemistry 2nd Paper Chapter- 01 [Part-02, Lecture C-06 to 10]; (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.		
15 August 2026 (Saturday)	H.Math (HM-15)	Physics (P-19)	Daily Live Exam C-12 MCQ (10×1=10); 10 min. Daily Live Exam B-04 MCQ (10×1=10); 10 min.

16 August 2026 (Sunday)	Chemistry (C-13)	Physics (P-20)	Daily Live Exam HM-15 MCQ (10×1=10); 10 min. Daily Live Exam P-19 MCQ (10×1=10); 10 min.
17 August 2026 (Monday) Chapter wise exam-03	Physics (P-13)	H.Math (HM-02)	Daily Live Exam C-13 MCQ (10×1=10); 10 min. Daily Live Exam P-20 MCQ (10×1=10); 10 min.
	Physics 2nd Paper Chapter- 01 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.		
18 August 2026 (Tuesday)	Chemistry (C-39)	H.Math (HM-03)	Daily Live Exam P-13 MCQ (10×1=10); 10 min. Daily Live Exam HM-02 MCQ (10×1=10); 10 min.
19 August 2026 (Wednesday)	Chemistry (C-14)	Zoology (Z-13)	Daily Live Exam C-39 MCQ (10×1=10); 10 min. Daily Live Exam HM-03 MCQ (10×1=10); 10 min.
20 August 2026 (Thursday)	H.Math (HM-16)	Zoology (Z-04)	Daily Live Exam C-14 MCQ (10×1=10); 10 min. Daily Live Exam Z-13 MCQ (10×1=10); 10 min.
21 August2026 (Friday) Chapter wise exam-04	H. Math Problem Solving Class- 02		
	H.Math 2nd Paper Chapter- 05 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.		
22 August 2026 (Saturday)	H.Math (HM-17)	Physics (P-21)	Daily Live Exam HM-16 MCQ (10×1=10); 10 min. Daily Live Exam Z-04 MCQ (10×1=10); 10 min.
23 August 2026 (Sunday)	Chemistry (C-15)	Physics (P-22)	Daily Live Exam HM-17 MCQ (10×1=10); 10 min. Daily Live Exam P-21 MCQ (10×1=10); 10 min.
24 August 2026 (Monday) Chapter wise exam-05	Physics (P-14)	H.Math (HM-18)	Daily Live Exam C-15 MCQ (10×1=10); 10 min. Daily Live Exam P-22 MCQ (10×1=10); 10 min.
	H.Math 2nd Paper Chapter- 03 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.		
25 August 2026 (Tuesday)	Chemistry (C-40)	Physics (P-23)	Daily Live Exam P-14 MCQ (10×1=10); 10 min. Daily Live Exam HM-18 MCQ (10×1=10); 10 min.
26 August 2026 (Wednesday)	Zoology (Z-14)	H.Math (HM-04)	Daily Live Exam C-40 MCQ (10×1=10); 10 min. Daily Live Exam P-23 MCQ (10×1=10); 10 min.
27 August 2026 (Thursday)	Chemistry (C-16)	Zoology (Z-05)	Daily Live Exam Z-14 MCQ (10×1=10); 10 min. Daily Live Exam HM-04 MCQ (10×1=10); 10 min.
28 August 2026 (Friday) Chapter wise exam-06	Biology Problem Solving Class-01		
	Botany Chapter- 07 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.		
29 August 2026 (Saturday)	Chemistry Problem Solving Class-02	H.Math (HM-05)	Daily Live Exam C-16 MCQ (10×1=10); 10 min. Daily Live Exam Z-05 MCQ (10×1=10); 10 min.
30 August 2026 (Sunday)	Chemistry (C-17)	Physics (P-24)	Daily Live Exam HM-05 MCQ (10×1=10); 10 min.
31 August 2026 (Monday) Chapter wise exam-07	Physics (P-15)	H.Math (HM-19)	Daily Live Exam C-17 MCQ (10×1=10); 10 min. Daily Live Exam P-24 MCQ (10×1=10); 10 min.
	H.Math 2nd Paper Chapter- 01 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.		
01 September 2026 (Tuesday)	Chemistry (C-41)	H.Math (HM-20)	Daily Live Exam P-15 MCQ (10×1=10); 10 min. Daily Live Exam HM-19 MCQ (10×1=10); 10 min.
02 September 2026 (Wednesday)	Zoology (Z-15)	H.Math (HM-06)	Daily Live Exam C-41MCQ (10×1=10); 10 min. Daily Live Exam HM-20 MCQ (10×1=10); 10 min.
03 September 2026 (Thursday)	Chemistry (C-18)	Zoology (Z-06)	Daily Live Exam Z-15 MCQ (10×1=10); 10 min. Daily Live Exam HM-06 MCQ (10×1=10); 10 min.
04 September 2026 (Friday) Chapter wise exam-08	H. Math Problem Solving Class- 03	Physics Problem Solving Class-02	
	Zoology Chapter- 07 (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-উল্লাস**).

HSC 2nd Year Progressive Batch Syllabus-01

Physics 2nd Paper		
Chapter	Lecture	Lecture-based discussion topics
Chapter- 1 Thermodynamics	P-01	Principles of measurement of temperature, Thermal Equilibrium, Zero'th law of Thermodynamics, Measurement of Temperature, Method of two points, relation between various scales, Faulty thermometer, One point method.
	P-02	Thermal System, Thermal quantities, Thermal Processes, Heat, Work done and Internal Energy, First law of thermodynamics and general mathematical problems.
	P-03	CQ and Admission Standard questions on First law of thermodynamics, Molar Heat capacity, Thermal function of static and path, Isobaric Process, Isochoric Process.

	P-04	Isothermal Process, Adiabatic Process, General mathematical problems on Isothermal and Adiabatic process.
	P-05	CQ and Admission standard mathematical problems on Isothermal and Adiabatic process, Concept of Second law of thermodynamics, Thermal Engine, Efficiency of thermal engines, Reversible and Irreversible process, Factors of Irreversible process.
	P-06	Carnot Cycle, Efficiency of Carnot engine and general mathematical problem.
	P-07	CQ & Admission Standard mathematical problems on Engine, Refrigerator, Efficiency coefficient of refrigerator, Refrigeration cycle of Carnot, Mechanism of refrigerator, Entropy, Entropy in reversible and irreversible process, Change of Entropy for the change of physical state.
	P-08	Change of entropy in various process, Entropy and disorder, Thermal death of the universe.
Chapter- 2 Static Electricity	P-09	Concept of Charge, Nature of charge, Quantization of charge, Conservation of charge, Surface Charge density, Coulomb's Law, Vector format of Coulomb's Law, Limitations of Coulombs's Law.
	P-10	Electric Field on a point for point charge, Law of superposition of electric intensity, Field line, Uniform electric field, Electric field intensity, General Mathematical problems for Electric intensity.
	P-11	CQ and Admission standard mathematical problems for Electric force and field intensity.
	P-12	Electric Potential, Equations of electric potential, Potential Difference, Relation of potential difference with intensity, Flow of charge.
	P-13	CQ and Admission standard Mathematical Problems for Potential, Electric potential and intensity of a charged conductor sphere, Plane density and electric intensity.
	P-14	Dipole moment, Potential and intensity for a dipole.
	P-15	Insulator and dielectric, Capacitor and Capacitance, Spherical and Parallel plate capacitor, Connection of capacitors, energy stored in capacitor, energy stored in capacitor, capacitor related general mathematical problem.
Chapter-3 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.

Chemistry 2nd Paper

Chapter	Lecture	Lecture-based discussion topics
Chapter- 1 Environmental Chemistry	C-01	Gas, Components of atmosphere, Atmospheric temperature, Effect of pressure and density, Cyclone and tidal bore
	C-02	Boyle's law, Charles's law, Avogadro's law, Gay-Lussac's law, related math
	C-03	Combined law, Ideal gas equation ($PV = nRT$), Explanation of R, related math
	C-04	Dalton's law of partial pressure, Graham's law of diffusion.
	C-05	Diffusion, Effusion, Rate of diffusion and formula, Kinetic theory of gas, Postulates of kinetic theory, Calculation of kinetic energy.
	C-06	Real gas, Ideal gas, Deviation, Coefficient of compressibility, Amagat's curve, Vander Walls equation.
	C-07	Gas cylinderisation, Reactions occurred during lightning, Fixation of N_2 in soil.
	C-08	Greenhouse gas, Source of greenhouse gas, Effect of greenhouse gas, Introduction to CFC and its use, origination of O_3 layer, Damage of O_3 layer.
	C-09	Concept related to acid base- Acid base theory, Arrhenius concept, Bronsted-Lowry concept (Theory, conjugate), Lewis theory, Acid rain, Cause of acid rain, Effect of acid rain, Prevention of acid rain.
	C-10	Source of surface water, Importance of surface water, Criteria of purity of Surface water, Hardness, pH, DO, BOD, COD, TDS, Water pollution, Reason and cause of water pollution, Natural pollutant, Arsenic pollutant, Effect of water pollution.
Chapter- 2 Organic Chemistry	C-11	Introduction and Classification of Organic Chemistry- Introduction to organic compounds, Hydrocarbon and organic compounds, Role of carbon in hydrocarbon, Classification of organic compounds, Homologous series, Functional group.
	C-12	Nomenclature of Organic Compounds- (Tribal system, derived system, IUPAC system)
	C-13	Isomerism- Introduction, Classification, Structural isomerism, Types of structural isomerism (Chain isomerism, Position isomerism, Functional group isomerism, Metamerism, Tautomerism),
	C-14	Geometric isomerism (cis-trans isomerism, E-Z isomerism, Syn-Anti isomerism)
	C-15	Stereo Isomerism (Chiral carbon, Enantiomer, Diastereomer, Racemic mixture)
	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)
Chapter-3 Stoichiometric Chemistry	C-39	Chemical Calculation and Concentration- Chemical calculation, Mole and Mole number + Math, Molar mass and volume + Math.
	C-40	Determination of molar volume of products from chemical equation + Math, Determination of mass and volume of gaseous components, Limiting reactant.
	C-41	Molar concentration and substance (Primary and secondary), Molarity, Molality, Normality,

H.Math 2nd Paper

Chapter	Lecture	Lecture-based discussion topics
Chapter- 1 Real number and inequality	HM-01	Exercise-1.1 - Classification of real numbers, sets-subsets of real numbers, geometric representation, postulates of real numbers, concept of inequality and postulates related to inequality.
	HM-02	Exercise-1.1 - Interval, absolute value, solution of inequalities related to absolute value, proof involving absolute value.

	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.
Chapter- 2 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
Chapter- 3 Complex numbers	HM-07	Exercise-3; Concept and significance of i , power and series of i , rotation by i .
	HM-08	Exercise-3; Real axis and imaginary axis, previous introduction to complex numbers, Argand diagram of complex numbers, modulus and argument of complex numbers.
	HM-09	Exercise-3; Polar form of complex numbers. Algebraic calculation of complex numbers, addition, subtraction, multiplication and division of complex numbers, adjoint complex numbers.
	HM-10	Exercise-3; Relation of complex numbers, expression in the form $A+iB$.
	HM-11	Exercise-3; Square root and quadratic root of complex numbers.
	HM-12	Exercise-3; Cube root and sexagesimal root of complex numbers. ω related series, ω related expression value determination and analysis of product.
	HM-13	Exercise-3; Mathematical significance of $ z_1 - z_2 $. Geometric application of complex numbers (transmission path) related.
Chapter- 4 Polynomials and Polynomial equations	HM-14	Exercise-3; Proof and determination of values under conditions related.
	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.
Chapter- 5 Binomial expansions	HM-23	Exercise-5.1; Basic concepts of binomial expansion, Pascal's triangle, binomial theorem, proof of binomial expansion theorem in ascending order.
	HM-24	Exercise-5.1; Number of terms, algebraic sum of coefficients of expansion, properties of coefficients of binomial expansion, common terms.
	HM-25	Exercise-5.1; Terms without variables in expansion, middle term, equidistant terms, ratio of two consecutive terms related, coefficients of two terms being equal related.
	HM-26	Exercise-5.2; Concept of binomial expansion in infinite series, condition of expansion for $(a + x)^n$.
	HM-27	Exercise-5.2; Convergence of binomial series related, finding common terms.
	HM-28	Exercise-5.2; Finding coefficients related, finding sum of series using expansion, largest possible term.

Botany		
Chapter	Lecture	Lecture-based discussion topics
Chapter- 07 Gymnosperms and Angiosperms	B-01	Gymnosperms (Introduction, characteristics), <i>Cycas</i> (Characteristics, Structure, Reproduction)
	B-02	Angiosperms (Introduction, characteristics), Differences between Gymnosperm and angiosperm, Introduction to angiosperm families, Characteristics, Root, Stem, Leaf.
	B-03	Inflorescence, Aestivation, Placentation, Fruits, Floral Formula, Floral Diagram.
	B-04	Poaceae Family, Malvaceae Family, Differences between Poaceae and Malvaceae family, Differences between Monocot plant and Dicot plant.

Zoology		
Chapter	Lecture	Lecture-based discussion topics
Chapter- 07 Human Physiology: Locomotion and Body Movement	Z-01	Skeletal system (classification, functions, components, parts), bones of the adult human skeleton, axial skeleton (skull).
	Z-02	Axial skeleton (vertebral column, ribcage).
	Z-03	Appendicular skeleton.
	Z-04	Bone, Haversian system, cartilage, types of cartilage.
	Z-05	Muscle tissue, types of muscles, muscles can pull but cannot push, functions of skeleton and the 'rods and lever system'
	Z-06	Bone and muscle coordination in knee movement, bone fracture and first aid, joint injuries and first aid.
Chapter- 09 Continuation of human life	Z-13	Reproductive system, male reproductive system, female reproductive system, different stages and phases of reproduction, puberty.
	Z-14	Menstrual cycle, formation of gamete (spermatogenesis, sperm formation, oogenesis, formation of ovum).
	Z-15	Fertilization, implantation, placenta, foetal membranes, human embryogenesis, embryo and fetus development.



দেশব্যাপী **ইন্সট্যান্ড-উন্নেষ** এর
শাখাসমূহের বিস্তারিত ঠিকানা
দেখতে **QR** কোডটি স্ক্যান করো

ইন্সট্যান্ড-উন্নেষ এর
App ডাউনলোড করতে
QR কোডটি স্ক্যান করো

