

HSC 2nd Year Academic Program Pioneer Batch

Class & Exam Routine-03

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
28 June 2026 (Sunday)	Chemistry (C-35)	H.Math (HM-22)	Daily Live Exam Z-15 MCQ (10×1=10); 10 min. Daily Live Exam P-31 MCQ (10×1=10); 10 min.
29 June 2026 (Monday)	Chemistry (C-36)	H.Math (HM-29)	Daily Live Exam C-35 MCQ (10×1=10); 10 min. Daily Live Exam HM-22 MCQ (10×1=10); 10 min.
30 June 2026 (Tuesday)	Chemistry (C-37)	Zoology (Z-12)	Daily Live Exam C-36 MCQ (10×1=10); 10 min. Daily Live Exam HM-29 MCQ (10×1=10); 10 min.
01 July 2026 (Wednesday)	Botany (B-01)	Physics (P-51)	Daily Live Exam C-37 MCQ (10×1=10); 10 min. Daily Live Exam Z-12 MCQ (10×1=10); 10 min.
02 July 2026 (Thursday)	Zoology (Z-16)	Physics (P-32)	Daily Live Exam B-01 MCQ (10×1=10); 10 min. Daily Live Exam P-51 MCQ (10×1=10); 10 min.
03 July 2026 (Friday) Chapter-wise Exam-16	Physics 2nd Paper Chapter-04 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.		
04 July 2026 (Saturday) Chapter-wise Exam-17	H.Math 2nd Paper Chapter-04 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.		
05 July 2026 (Sunday)	Chemistry (C-38)	H.Math (HM-30)	Daily Live Exam Z-16 MCQ (10×1=10); 10 min. Daily Live Exam P-32 MCQ (10×1=10); 10 min.
06 July 2026 (Monday)	Chemistry (C-39)	H.Math (HM-31)	Daily Live Exam C-38 MCQ (10×1=10); 10 min. Daily Live Exam HM-30 MCQ (10×1=10); 10 min.
07 July 2026 (Tuesday)	Chemistry (C-40)	Physics (P-52)	Daily Live Exam C-39 MCQ (10×1=10); 10 min. Daily Live Exam HM-31 MCQ (10×1=10); 10 min.
08 July 2026 (Wednesday)	Botany (B-02)	H.Math (HM-47)	Daily Live Exam C-40 MCQ (10×1=10); 10 min. Daily Live Exam P-52 MCQ (10×1=10); 10 min.
09 July 2026 (Thursday)	Zoology (Z-17)	Physics (P-33)	Daily Live Exam B-02 MCQ (10×1=10); 10 min. Daily Live Exam HM-47 MCQ (10×1=10); 10 min.
10 July 2026 (Friday) Chapter-wise Exam-18	Chemistry Problem Solving Class-04 Zoology Chapter-08 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.		
11 July 2026 (Saturday) Chapter-wise Exam-19	Guideline Seminar-03 Chemistry 2nd Paper Chapter-02 (Part-03); Lecture C-28 to 38; (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.		
12 July 2026 (Sunday)	Chemistry (C-51)	H.Math (HM-32)	Daily Live Exam Z-17 MCQ (10×1=10); 10 min. Daily Live Exam P-33 MCQ (10×1=10); 10 min.
13 July 2026 (Monday)	Chemistry (C-41)	H.Math (HM-33)	Daily Live Exam C-51 MCQ (10×1=10); 10 min. Daily Live Exam HM-32 MCQ (10×1=10); 10 min.
14 July 2026 (Tuesday)	Chemistry (C-42)	Physics (P-53)	Daily Live Exam C-41 MCQ (10×1=10); 10 min. Daily Live Exam HM-33 MCQ (10×1=10); 10 min.
15 July 2026 (Wednesday)	Botany (B-03)	H.Math (HM-48)	Daily Live Exam C-42 MCQ (10×1=10); 10 min. Daily Live Exam P-53 MCQ (10×1=10); 10 min.
16 July 2026 (Thursday)	Botany (B-17)	Physics (P-34)	Daily Live Exam B-03 MCQ (10×1=10); 10 min. Daily Live Exam HM-48 MCQ (10×1=10); 10 min.
17 July 2026 (Friday) Chapter-wise Exam-20	H.Math Problem Solving Class-04 Zoology Chapter-09 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.		
18 July 2026 (Saturday)	Physics Problem Solving Class-03		
19 July 2026 (Sunday)	Chemistry (C-52)	H.Math (HM-34)	Daily Live Exam B-17 MCQ (10×1=10); 10 min. Daily Live Exam P-34 MCQ (10×1=10); 10 min.
20 July 2026 (Monday)	Chemistry (C-43)	H.Math (HM-35)	Daily Live Exam C-52 MCQ (10×1=10); 10 min. Daily Live Exam HM-34 MCQ (10×1=10); 10 min.
21 July 2026 (Tuesday)	Chemistry (C-44)	Physics (P-54)	Daily Live Exam C-43 MCQ (10×1=10); 10 min. Daily Live Exam HM-35 MCQ (10×1=10); 10 min.
22 July 2026 (Wednesday)	Botany (B-04)	H.Math (HM-49)	Daily Live Exam C-44 MCQ (10×1=10); 10 min. Daily Live Exam P-54 MCQ (10×1=10); 10 min.
23 July 2026 (Thursday)	Botany (B-18)	Physics (P-35)	Daily Live Exam B-04 MCQ (10×1=10); 10 min. Daily Live Exam HM-49 MCQ (10×1=10); 10 min.
24 July 2026 (Friday) Chapter-wise Exam-21	Biology Problem Solving Class-03 Chemistry 2nd Paper Chapter-03 (Part-01); Lecture C-39 to 44; (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.		
25 July 2026 (Saturday) Chapter-wise Exam-22	Botany Chapter-07 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.		

26 July 2026 (Sunday)	Chemistry (C-53)	H.Math (HM-36)	Daily Live Exam B-18 MCQ (10×1=10); 10 min. Daily Live Exam P-35 MCQ (10×1=10); 10 min.
27 July 2026 (Monday)	Chemistry (C-45)	H.Math (HM-37)	Daily Live Exam C-53 MCQ (10×1=10); 10 min. Daily Live Exam HM-36 MCQ (10×1=10); 10 min.
28 July 2026 (Tuesday)	Chemistry (C-46)	Physics (P-55)	Daily Live Exam C-45 MCQ (10×1=10); 10 min. Daily Live Exam HM-37 MCQ (10×1=10); 10 min.
29 July 2026 (Wednesday)	Zoology (Z-18)	H.Math (HM-50)	Daily Live Exam C-46 MCQ (10×1=10); 10 min. Daily Live Exam P-55 MCQ (10×1=10); 10 min.
30 July 2026 (Thursday)	Botany (B-19)	Physics (P-36)	Daily Live Exam Z-18 MCQ (10×1=10); 10 min. Daily Live Exam HM-50 MCQ (10×1=10); 10 min.
31 July 2026 (Friday)	Chemistry Problem Solving Class-05		
01 August 2026 (Saturday) Chapter-wise Exam-23	Botany Chapter-10 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.		
02 August 2026 (Sunday)	Chemistry (C-54)	H.Math (HM-38)	Daily Live Exam B-19 MCQ (10×1=10); 10 min. Daily Live Exam P-36 MCQ (10×1=10); 10 min.
03 August 2026 (Monday)	Chemistry (C-47)	H.Math (HM-59)	Daily Live Exam C-54 MCQ (10×1=10); 10 min. Daily Live Exam HM-38 MCQ (10×1=10); 10 min.
04 August 2026 (Tuesday)	Chemistry (C-48)	Physics (P-56)	Daily Live Exam C-47 MCQ (10×1=10); 10 min. Daily Live Exam HM-59 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)	Zoology (Z-23)	Physics (P-37)	Daily Live Exam C-48 MCQ (10×1=10); 10 min. Daily Live Exam P-56 MCQ (10×1=10); 10 min.
07 August 2026 (Friday) Chapter-wise Exam-24	H.Math Problem Solving Class-05 Physics 2nd Paper Chapter-05 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.		
08 August 2026 (Saturday) Chapter-wise Exam-25	H.Math 2nd Paper Chapter-06 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.		
09 August 2026 (Sunday)	Chemistry (C-55)	H.Math (HM-60)	Daily Live Exam Z-23 MCQ (10×1=10); 10 min. Daily Live Exam P-37 MCQ (10×1=10); 10 min.
10 August 2026 (Monday)	Chemistry (C-49)	H.Math (HM-61)	Daily Live Exam C-55 MCQ (10×1=10); 10 min. Daily Live Exam HM-60 MCQ (10×1=10); 10 min.
11 August 2026 (Tuesday)	Chemistry (C-50)	Physics (P-57)	Daily Live Exam C-49 MCQ (10×1=10); 10 min. Daily Live Exam HM-61 MCQ (10×1=10); 10 min.
12 August 2026 (Wednesday)	Zoology (Z-19)	H.Math (HM-51)	Daily Live Exam C-50 MCQ (10×1=10); 10 min. Daily Live Exam P-57 MCQ (10×1=10); 10 min.
13 August 2026 (Thursday)	Zoology (Z-24)	Physics (P-38)	Daily Live Exam Z-19 MCQ (10×1=10); 10 min. Daily Live Exam HM-51 MCQ (10×1=10); 10 min.
14 August 2026 (Friday)	Guideline Seminar-04		
15 August 2026 (Saturday) Chapter-wise Exam-26	Chemistry 2nd Paper Chapter-03 (Part-02); Lecture C-45 to 50; (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.		
16 August 2026 (Sunday)	Chemistry (C-56)	H.Math (HM-62)	Daily Live Exam Z-24 MCQ (10×1=10); 10 min. Daily Live Exam P-38 MCQ (10×1=10); 10 min.
17 August 2026 (Monday)	Physics (P-58)	H.Math (HM-63)	Daily Live Exam C-56 MCQ (10×1=10); 10 min. Daily Live Exam HM-62 MCQ (10×1=10); 10 min.
18 August 2026 (Tuesday)	Physics (P-59)	H.Math (HM-52)	Daily Live Exam P-58 MCQ (10×1=10); 10 min. Daily Live Exam HM-63 MCQ (10×1=10); 10 min.
19 August 2026 (Wednesday)	Zoology (Z-20)	H.Math (HM-53)	Daily Live Exam P-59 MCQ (10×1=10); 10 min. Daily Live Exam HM-52 MCQ (10×1=10); 10 min.
20 August 2026 (Thursday)	Zoology (Z-25)	Physics (P-39)	Daily Live Exam Z-20 MCQ (10×1=10); 10 min. Daily Live Exam HM-53 MCQ (10×1=10); 10 min.
21 August 2026 (Friday) Chapter-wise Exam-27	Physics Problem Solving Class-04 Chemistry 2nd Paper Chapter-04 (Part-01); Lecture C-51 to 56; (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.		
22 August 2026 (Saturday) Chapter-wise Exam-28	Physics 2nd Paper Chapter-08 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.		
The next class and exam routine-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 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).

2nd Year Pioneer Batch Syllabus-03

Physics 2nd Paper		
Chapter	Lecture	Lecture-based discussion topics
Chapter-5 Electromagnetic Induction and Alternating Current	P-32	Electromagnetic Induction, Magnetic Flux, Faraday's Laws of Electromagnetic Induction, First Law, Second Law, Lenz's Law, Lenz's Law and the Conservation of Energy, and Related Mathematical Problems.
	P-33	CQ & Admission Standard Mathematical Problems on Faraday's Law and Lenz's Law, Self-Induction, Determination of Self-Inductance Coefficient, Direction of Induced Electromotive Force Due to Self-Induction, and General Mathematical Problems
	P-34	CQ & Admission Standard Mathematical Problems on Self-Induction, Non-Inductive Coil, Mutual Induction, Applications of Mutual Induction: Transformer and General Mathematical Problems.
	P-35	CQ & Admission Standard Mathematical Problems on Mutual Induction, Alternating Current, Various Parameters of Alternating Current, Generation of Alternating Current,
	P-36	Average and Root Mean Square Value of Alternating Current. All Mathematical Problems Related to Alternating Current.
Chapter-6 Geometrical Optics	P-37	Reflection of Light, Mirrors, Refraction of Light, Refractive Index, General Form of Snell's Law, Image Formation Due to Refraction, Critical Angle.
	P-38	Fermat's Principle, Concept of Fermat's Principle, Refraction at a Spherical Surface, Sign Conventions and Related Mathematical Problems.
	P-39	Lenses, Types of Lenses, Functioning of Lenses, Essential Quantities Related to Lenses, Ray Diagrams in Lenses, Image of an Extended Object.
Chapter-8 Introduction of Modern Physics	P-51	Concept of modern physics, Inertial and non-inertial reference frame, Relation between various inertial reference frame, Michelson-Morley's experiment, Special theory of relativity, Galilium transformation, Lorentz transformation.
	P-52	Time dilation, Length contraction, Relativity of mass, General mathematical problems related to relativity.
	P-53	CQ & Admission Standard mathematical problems related to relativity, Relation of mass-energy, Momentum of light, Fundamental force, Travelling in space, Black-body radiation and atomic mass unit.
	P-54	Photo-electric effects, Limitations of electromagnetic theory of light, Theory of Photon and photoelectric effect.
	P-55	Stopping potential, Mathematical Problems, X-ray, Producing X-ray, Properties and types of x-ray.
	P-56	Mathematical Problems on X-rays and Photoelectric Effect, De Broglie's Matter Waves, Wave-Particle Duality, Mathematical Examples.
Chapter-9 Atomic Model & Nuclear Physics	P-57	Compton Effect, Mathematical Examples on Compton Effect, Heisenberg's Uncertainty Principle, Mathematical Examples.
	P-58	Structure of Atom, Thomson's atomic model. Rutherford's alpha-particle experiment, Solar model, Bohr's atomic model, atomic radius and energy, Structure of nucleus, Quantities of nucleus.
	P-59	Radioactivity, Radioactive ray, Alpha, Beta and gamma radiation, Rules of radioactive transformation, Radioactive decay, Equation of decay, Transformation law.

Chemistry 2nd Paper		
Chapter	Lecture	Lecture-based discussion topics
Chapter-2 Organic Chemistry	C-35	Aromatic Nitro compound and everything of it.
	C-36	Benzene Diazonium Chloride and everything of it.
	C-37	Polymer and Plasticity- Introduction, Classification, Different polymer compounds, Organic polymer.
	C-38	IR spectroscopy, biomolecule, conversion of organic compounds
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,
	C-42	Percentage (%W/V, %W/W, %V/V), ppm, ppb, ppt, Dilution.
	C-43	Acid-base reaction- Introduction and neutralization reaction, Acid base titration + Math
	C-44	Indicator, Titration, Neutralization point, Titration graph.
	C-45	Oxidation number, Valency and latent valency, Oxidation-reduction (Basic concept), Compatibility, Incompatibility, Auto oxidation-reduction.
	C-46	Balancing oxidation-reduction.
	C-47	Oxidation-reduction titration (Determination of amount of metal ion and impurity,)
	C-48	iodimetry and iodometry
	C-49	Use of beer-lambert law to determine conc. Of solution, atomic absorption spectroscopy.
Chapter-4 Electro-chemistry	C-50	UV-Vis spectroscopy, HPLC, Gas chromatography.
	C-51	Electric conductivity and classification, Specific conductance, equivalent conductance and molar conductance of electrolyte.
	C-52	Reactivity series of metal, Electric cell, Classification and technique of electrolyte, Factors having effect on electrolyte.
	C-53	Faraday's law + Math.
	C-54	Electrode and Electrode potential – Elements of electrochemical cell, Oxidation-reduction half-cell reaction, Electrode and classification, Single and double chamber electrochemical cell + usage, Galvanic cell, Standard electrode potential, Salt bridge and its use.
	C-55	Electrode indicator, Math of standard electrode potential, Math of safe container.
C-56	Electric cell, Cell potential and its effect- Nernst equation + Math, Relation of Gibbs free energy, pH Meter.	

H.Math 2nd Paper		
Chapter	Lecture	Lecture-based discussion topics
Chapter-4 Polynomials and Polynomial equations	HM-22	Exercise-4; Trigonometric polynomial functions and their types, equations with roots included in the progression, value of symmetric terms of roots.
Chapter-6 Conics	HM-29	Exercise-6.1; Introduction and properties of conic (section of conic, different elements of conic, eccentricity), parabola, standard equation of parabola.
	HM-30	Exercise-6.1; Axis shift, focal distance.
	HM-31	Exercise-6.1; Parametric equation of parabola, determining equation of parabola from definition of conic.
	HM-32	Exercise-6.1; Minimum distance of parabola from external point, determining equation of parabola from end point of latus rectum, application of parabola equation in real life problems.

	HM-33	Exercise-6.2; Ellipse, standard equation of parabola, axis shift.
	HM-34	Exercise-6.2; Determine the equation of the ellipse from various elements, $SP + S'P = \text{length of the major axis}$, parametric coordinates of the ellipse.
	HM-35	Exercise-6.2; Determining the equation of an ellipse from the definition of a conic, determining the equation from a focus, its opposite directrix and eccentricity of an ellipse related, special problems, Exercise-6.3; Hyperbola, standard equation of hyperbola.
	HM-36	Exercise-6.3; Axis transfer, determining the equation of a hyperbola from various materials.
	HM-37	Exercise-6.3; $ SP - S'P = \text{minor axis length}$, asymptote, rectangular hyperbola, parametric coordinates of a hyperbola, determining the equation of a hyperbola from the definition of a conic.
	HM-38	Exercise-6.3; General equation of conic, location of point with respect to conic, tangent and intersection of conic related, identification of conic.
Chapter-8 Statics	HM-47	Exercise-8.1; Basic concepts of mechanics, triangles in solving statics problems related Definition of some topics, resultant of two forces acting on a particle, addition of forces, determination of magnitude and direction of resultant of two forces acting at an angle α to each other.
	HM-48	Exercise-8.1; Application of parallelogram law in determining resultant, determination of angle included between two forces, direction of resultant unchanged related.
	HM-49	Exercise-8.1; Resolution of force, determination of resolved parts of force, application of sine law of force related, determination of resultant of force with the help of resolved parts.
	HM-50	Exercise-8.1; Resultant of three or more forces, the application of the theorem of resolved parts or direct formula to determine the resultant of two or more forces related problems
	HM-51	Exercise-8.2; Equilibrium of forces, triangle law of equilibrium, conditions for equilibrium of co-planer forces, determination of the internal angle between three forces that creates equilibrium, Lami's theorem of equilibrium, inverse of Lami's theorem.
	HM-52	Exercise-8.2; Mathematical problems related to Lami's theorem.
Chapter-9 Motion of particles in a plane	HM-53	Exercise-8.2; Different centers of triangle related problems, inverse formula of triangle law in equilibrium and its application related mathematical problems.
	HM-59	Exercise-9.1; Displacement, velocity, average speed and velocity, distance between moving objects, finding the velocity.
	HM-60	Exercise-9.1; Crossing a river related problem.
	HM-61	Exercise-9.2; Determining relative velocity, determining relative velocity related problems.
	HM-62	Exercise-9.3; Uniform acceleration, laws of motion of a particle moving in a straight line with uniform acceleration, description of motion with the help of diagrams and solution of laws of motion problems.
HM-63	Exercise-9.3; Bullet related, tiger-deer and bus-passenger related problems.	

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.
Chapter-10 Plant reproduction	B-17	Sexual reproduction, development of pollen grain, development of male gametophyte, development of ovule.
	B-18	Development and formation of female gametophyte, pollination, fertilization.
	B-19	Asexual reproduction, through asexual spore production, through body parts, unconventional methods of reproduction, artificial propagation of plants.

Zoology

Chapter	Lecture	Lecture-based discussion topics
Chapter-8 Human Physiology: Coordination and Control	Z-12	Chemical coordination, endocrine system, location of endocrine glands, hormones secreted and their functions, effects of hormones on body growth, effects of hormones on physiological functions of the body, effects of hormones on behavior change, consequences of uncontrolled hormone use.
Chapter-9 Continuation of human life	Z-16	Family planning and contraceptive methods, IVF method, reproductive system problems, reproductive hormone imbalances.
	Z-17	Problems during fetal development, sexually transmitted diseases.
Chapter-10 Defence system of Human Body	Z-18	Immunity and immunology, components of the immune system.
	Z-19	The human body's defense system and the layers of the immune system, first line of defense, second line of defense.
	Z-20	Third line of defense, innate and acquired immunity, innate immunity, acquired immunity.
Chapter-11 Genetics and Evolution	Z-23	Explanation of terms related to genetics, Mendel's first law.
	Z-24	Exception to the first law (incomplete dominance, co-dominance), lethal gene.
	Z-25	Second law, exceptions to Mendel's second law (complementary genes), epistasis (dominant epistasis, duplicate recessive epistasis), polygenic inheritance.



দেশব্যাপী **ইন্সট্যান্ড-উন্লোড** এর
শাখাসমূহের বিস্তারিত ঠিকানা
দেখতে **QR** কোডটি স্ক্যান করে

ইন্সট্যান্ড-উন্লোড এর
App ডাউনলোড করতে
QR কোডটি স্ক্যান করে

