

HSC 2nd Year Academic Program Pioneer Batch

[Online/Combo]

Class & Exam Routine-02 (English Version)

Date & Day	Live Class: 1	Live Class: 2	Live Exam	Online: From 8:00am to 11:55pm
	2:30pm	6:30pm		Offline: From 9:00am to 5:00pm
01 August 2025 (Friday)	P-35 Physics: Chapter-05	HM-72 H.Math: Chapter-10	Daily Live Exam Z-18 MCQ (10×1=10); 10 min. Daily Live Exam C-35 MCQ (10×1=10); 10 min.	
02 August 2025 (Saturday)	P-36 Physics: Chapter-05	HM-47 H.Math: Chapter-08	Daily Live Exam P-35 MCQ (10×1=10); 10 min. Daily Live Exam HM-72 MCQ (10×1=10); 10 min.	
03 August 2025 (Sunday) Chapter-wise Exam-19	Math 2nd Paper Chapter-06 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.			
04 August 2025 (Monday)	Z-19 Zoology: Chapter-10	C-36 Chemistry: Chapter-02	Daily Live Exam P-36 MCQ (10×1=10); 10 min. Daily Live Exam HM-47 MCQ (10×1=10); 10 min.	
06 August 2025 (Wednesday)	Z-20 Zoology: Chapter-10	C-37 Chemistry: Chapter-02	Daily Live Exam Z-19 MCQ (10×1=10); 10 min. Daily Live Exam C-36 MCQ (10×1=10); 10 min.	
07 August 2025 (Thursday)	Chemistry Problem Solving Class-03 (Evening- 6:30pm)			
08 August 2025 (Friday)	P-37 Physics: Chapter-06	HM-73 H.Math: Chapter-10	Daily Live Exam Z-20 MCQ (10×1=10); 10 min. Daily Live Exam C-37 MCQ (10×1=10); 10 min.	
09 August 2025 (Saturday)	P-38 Physics: Chapter-06	HM-48 H.Math: Chapter-08	Daily Live Exam P-37 MCQ (10×1=10); 10 min. Daily Live Exam HM-73 MCQ (10×1=10); 10 min.	
10 August 2025 (Sunday) Chapter-wise Exam-20	Physics 2nd Paper Chapter-05 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.			
11 August 2025 (Monday)	Z-21 Zoology: Chapter-10	C-38 Chemistry: Chapter-02	Daily Live Exam P-38 MCQ (10×1=10); 10 min. Daily Live Exam HM-48 MCQ (10×1=10); 10 min.	
13 August 2025 (Wednesday)	Z-22 Zoology: Chapter-10	C-39 Chemistry: Chapter-03	Daily Live Exam Z-21 MCQ (10×1=10); 10 min. Daily Live Exam C-38 MCQ (10×1=10); 10 min.	
14 August 2025 (Thursday)	Biology Problem Solving Class-04 (Evening- 6:30pm)			
15 August 2025 (Friday)	P-39 Physics: Chapter-06	HM-74 H.Math: Chapter-10	Daily Live Exam Z-22 MCQ (10×1=10); 10 min. Daily Live Exam C-39 MCQ (10×1=10); 10 min.	
16 August 2025 (Saturday)	P-40 Physics: Chapter-06	HM-49 H.Math: Chapter-08	Daily Live Exam P-39 MCQ (10×1=10); 10 min. Daily Live Exam HM-74 MCQ (10×1=10); 10 min.	
17 August 2025 (Sunday) Chapter-wise Exam-21	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.			
18 August 2025 (Monday)	B-17 Botany: Chapter-10	C-40 Chemistry: Chapter-03	Daily Live Exam P-40 MCQ (10×1=10); 10 min. Daily Live Exam HM-49 MCQ (10×1=10); 10 min.	
20 August 2025 (Wednesday)	B-18 Botany: Chapter-10	C-41 Chemistry: Chapter-03	Daily Live Exam B-17 MCQ (10×1=10); 10 min. Daily Live Exam C-40 MCQ (10×1=10); 10 min.	
21 August 2025 (Thursday)	H.Math Problem Solving Class-04 (Evening- 6:30pm)			
22 August 2025 (Friday)	P-41 Physics: Chapter-06	HM-39 H.Math: Chapter-07	Daily Live Exam B-18 MCQ (10×1=10); 10 min. Daily Live Exam C-41 MCQ (10×1=10); 10 min.	
23 August 2025 (Saturday)	P-42 Physics: Chapter-06	HM-50 H.Math: Chapter-08	Daily Live Exam P-41 MCQ (10×1=10); 10 min. Daily Live Exam HM-39 MCQ (10×1=10); 10 min.	
24 August 2025 (Sunday) Chapter-wise Exam-22	Zoology Chapter-10 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.			
25 August 2025 (Monday)	B-19 Botany: Chapter-10	C-42 Chemistry: Chapter-03	Daily Live Exam P-42 MCQ (10×1=10); 10 min. Daily Live Exam HM-50 MCQ (10×1=10); 10 min.	
27 August 2025 (Wednesday)	Z-23 Zoology: Chapter-11	C-43 Chemistry: Chapter-03	Daily Live Exam B-19 MCQ (10×1=10); 10 min. Daily Live Exam C-42 MCQ (10×1=10); 10 min.	

28 August 2025 (Thursday)	Guideline Seminar-05		
29 August 2025 (Friday)	P-43 Physics: Chapter-06	HM-40 H.Math: Chapter-07	Daily Live Exam Z-23 MCQ (10×1=10); 10 min. Daily Live Exam C-43 MCQ (10×1=10); 10 min.
30 August 2025 (Saturday)	P-44 Physics: Chapter-06	HM-51 H.Math: Chapter-08	Daily Live Exam P-43 MCQ (10×1=10); 10 min. Daily Live Exam HM-40 MCQ (10×1=10); 10 min.
31 August 2025 (Sunday) Chapter-wise Exam-23	Math 2nd Paper Chapter-10 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.		
01 September 2025 (Monday)	Z-24 Zoology: Chapter-11	C-44 Chemistry: Chapter-03	Daily Live Exam P-44 MCQ (10×1=10); 10 min. Daily Live Exam HM-51 MCQ (10×1=10); 10 min.
03 September 2025 (Wednesday)	Z-25 Zoology: Chapter-11	C-45 Chemistry: Chapter-03	Daily Live Exam Z-24 MCQ (10×1=10); 10 min. Daily Live Exam C-44 MCQ (10×1=10); 10 min.
04 September 2025 (Thursday)	Physics Problem Solving Class-04 (Evening- 6:30pm)		
05 September 2025 (Friday)	P-45 Physics: Chapter-07	HM-41 H.Math: Chapter-07	Daily Live Exam Z-25 MCQ (10×1=10); 10 min. Daily Live Exam C-45 MCQ (10×1=10); 10 min.
06 September 2025 (Saturday)	P-46 Physics: Chapter-07	HM-52 H.Math: Chapter-08	Daily Live Exam P-45 MCQ (10×1=10); 10 min. Daily Live Exam HM-41 MCQ (10×1=10); 10 min.
07 September 2025 (Sunday) Chapter-wise Exam-24	Botany Chapter-10 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.		
08 September 2025 (Monday)	Z-26 Zoology: Chapter-11	C-46 Chemistry: Chapter-03	Daily Live Exam P-46 MCQ (10×1=10); 10 min. Daily Live Exam HM-52 MCQ (10×1=10); 10 min.
10 September 2025 (Wednesday)	Z-27 Zoology: Chapter-11	C-47 Chemistry: Chapter-03	Daily Live Exam Z-26 MCQ (10×1=10); 10 min. Daily Live Exam C-46 MCQ (10×1=10); 10 min.
11 September 2025 (Thursday)	Chemistry Problem Solving Class-04 (Evening- 6:30pm)		
12 September 2025 (Friday)	P-47 Physics: Chapter-07	HM-42 H.Math: Chapter-07	Daily Live Exam Z-27 MCQ (10×1=10); 10 min. Daily Live Exam C-47 MCQ (10×1=10); 10 min.
13 September 2025 (Saturday)	P-48 Physics: Chapter-07	HM-53 H.Math: Chapter-08	Daily Live Exam P-47 MCQ (10×1=10); 10 min. Daily Live Exam HM-42 MCQ (10×1=10); 10 min.
14 September 2025 (Sunday) Chapter-wise Exam-25	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.		
15 September 2025 (Monday)	Z-28 Zoology: Chapter-11	C-48 Chemistry: Chapter-03	Daily Live Exam P-48 MCQ (10×1=10); 10 min. Daily Live Exam HM-53 MCQ (10×1=10); 10 min.
16 September 2025 (Tuesday) Chapter-wise Exam-26	Physics 2nd Paper Chapter-06 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.		
17 September 2025 (Wednesday)	B-20 Botany: Chapter-11	C-49 Chemistry: Chapter-03	Daily Live Exam Z-28 MCQ (10×1=10); 10 min. Daily Live Exam C-48 MCQ (10×1=10); 10 min.
18 September 2025 (Thursday)	Biology Problem Solving Class-05 (Evening- 6:30pm)		
19 September 2025 (Friday)	P-49 Physics: Chapter-07	HM-43 H.Math: Chapter-07	Daily Live Exam B-20 MCQ (10×1=10); 10 min. Daily Live Exam C-49 MCQ (10×1=10); 10 min.
20 September 2025 (Saturday)	P-50 Physics: Chapter-07	HM-54 H.Math: Chapter-08	Daily Live Exam P-49 MCQ (10×1=10); 10 min. Daily Live Exam HM-43 MCQ (10×1=10); 10 min.
21 September 2025 (Tuesday) Chapter-wise Exam-27	Zoology Chapter-11 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.		
22 September 2025 (Monday)	B-21 Botany: Chapter-11	C-50 Chemistry: Chapter-03	Daily Live Exam P-50 MCQ (10×1=10); 10 min. Daily Live Exam HM-54 MCQ (10×1=10); 10 min.
24 September 2025 (Wednesday)	B-22 Botany: Chapter-11	C-51 Chemistry: Chapter-04	Daily Live Exam B-21 MCQ (10×1=10); 10 min. Daily Live Exam C-50 MCQ (10×1=10); 10 min.
25 August 2025 (Thursday)	Guideline Seminar-06		
The next class and exam routine (Part-04) 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 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 2nd Year Academic Program Pioneer Batch (Class & Exam Syllabus-03)

Physics 2nd Paper Reference Book: মাস্টারলাল TEXT		
Chapter	Lecture	Lecture-based discussion topics
Chapter-5 Electromagnetic Induction and Alternating Current	P-35	CQ & Admission Standard Mathematical Problems on Mutual Induction, Alternating Current, Various Parameters of Alternating Current, Generation of Alternating Current, Average and Root Mean Square Value of Alternating Current.
	P-36	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.
	P-40	Lens Formula, Lens Maker's Formula, and General Mathematical Problems.
	P-41	CQ & Admission Standard Mathematical Problems on Lenses, Power of a Lens, Combination of Lenses, and Equivalent Lens.
	P-42	Prism, Refraction of Light in a Prism, Prism, Spectrum, Dispersion of Light, Newton's Experiment, and General Mathematical Problems on Prisms.
	P-43	CQ & Admission Standard Mathematical Problems on Prisms, Optical Instruments, Human Eye, Vision Aids or Optical Instruments, Various Types of Microscopes and Their Variants, and General Mathematical Problems.
Chapter-7 Physical Optics	P-44	Telescope and General Mathematical Problems, CQ & Admission Standard Mathematical Problems on Optical Instruments
	P-45	Primary concepts of light, Newton's particle theory, Electromagnetic wave, Pointing vector, Electromagnetic spectrum, Wave and wavefront, Huygen's wave theory.
	P-46	Explanation of reflection and refraction with Huygen's theorem, Superposition of Wave, Coherent source.
	P-47	Interference, Young's double slit experiment, Central maximum, Position of light and dark points, Constructive interference, Destructive interference, Fringe distance, Fringe width, General Mathematical problems.
	P-48	CQ & Admission Standard Mathematical problems related to Interference.
	P-49	Diffraction, Fraunhofer diffraction, Grating diffraction.
	P-50	Polarization of light, Malus' Law, Intensity of light in polarization, Polarization in double refraction.

Chemistry 2nd Paper Reference Book: মাস্টারলাল TEXT		
Chapter	Lecture	Lecture-based discussion topics
Chapter-2 Organic Chemistry	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.
	C-50	UV-Vis spectroscopy, HPLC, Gas chromatography.
Chapter-4 Electro-chemistry	C-51	Electric conductivity and classification, Specific conductance, equivalent conductance and molar conductance of electrolyte.

H.Math 2nd Paper Reference Book: মাস্টারলাল TEXT		
Chapter	Lecture	Lecture-based discussion topics
Chapter-10	HM-72	Exercise-10.2; Probability relation for mutually exclusive and non-exclusive events, probability multiplication formula, conditional probability.

Measures of Dispersions and Probability	HM-73	Exercise-10.2; Complementary events; Determining probability using binomial distribution.
	HM-74	Exercise-10.2; Probability and permutation combination.
Chapter-7 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.
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 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.
	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-54	Exercise-8.2; Problems related to proof of equilibrium using the theorem of resolved parts, equilibrium of an inclined plane

Botany Reference Book: মাস্টারলার টেক্সট

Chapter	Lecture	Lecture-based discussion topics
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.
Chapter-11 Biotechnology	B-20	Plant tissue culture methods, applications of plant tissue culture.
	B-21	Genetic engineering, steps of genetic engineering.
	B-22	Gene cloning, use of biotechnology: application of recombinant DNA technology, genome sequencing, provisions of biosafety in the application of biotechnology.

Zoology Reference Book: মাস্টারলার টেক্সট

Chapter	Lecture	Lecture-based discussion topics
Chapter-10 Defence system of Human Body	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.
	Z-21	Antigens and antibodies: Structure, types, and function of antigens and antibodies.
	Z-22	Role of vaccines in immunity, types of vaccines, vaccination, vaccination program in Bangladesh, role of memory cells in body 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.
	Z-26	Principle of Sex determination, sex linked disorders, red-green color blindness, hemophilia, muscular dystrophy.
	Z-27	ABO blood group and problems caused by Rh.
	Z-28	Evolution, Lamarckism or the theory of inheritance of acquired characteristics, Darwinism or the theory of natural selection, Neo-Darwinism, Evidence for evolution.



উদ্দাম

একাডেমিক এন্ড এডমিশন কেয়ার



**বিস্তারিত
ঠিকানা**