

HSC 2nd Year Academic Program

Progressive Batch [Online/Combo]

Class & Exam Routine Part-04 (English Version)

Date & Day	Live Class: 1	Live Class: 2	Live	Online: From 8:00am to 11:55pm
	2:30pm	6:45pm	Exam	Offline: From 9:00am to 5:00pm
25 October 2025 (Saturday)	HM-55 H. Math: Chapter- 8	P-55 Physics: Chapter- 8	Daily Live Exam B-21 MCQ (10× 1=10); 10 min. Daily Live Exam HM-45 MCQ (10× 1=10); 10 min.	
26 October 2025 (Sunday)	Z-23 Zoology: Chapter- 11	C-44 Chemistry: Chapter- 3	Daily Live Exam HM-55 MCQ (10× 1=10); 10 min. Daily Live Exam P-55 MCQ (10× 1=10); 10 min.	
27 October 2025 (Monday) Chapter-wise Exam-23	P-32 Physics: Chapter- 5	HM-46 H. Math: Chapter- 7	Daily Live Exam Z-23 MCQ (10× 1=10); 10 min. Daily Live Exam C-44 MCQ (10× 1=10); 10 min.	
	Physics 2nd Paper Chapter- 04 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10× 1=10); Time: 10min.			
28 October 2025 (Tuesday)	C-45 Chemistry: Chapter- 3	B-22 Botany: Chapter- 11	Daily Live Exam P-32 MCQ (10× 1=10); 10 min. Daily Live Exam HM-46 MCQ (10× 1=10); 10 min.	
29 October 2025 (Wednesday)	HM-56 H. Math: Chapter- 8	C-46 Chemistry: Chapter- 3	Daily Live Exam C-45 MCQ (10× 1=10); 10 min. Daily Live Exam B-22 MCQ (10× 1=10); 10 min.	
30 October 2025 (Thursday)	B-23 Botany: Chapter- 12	P-56 Physics: Chapter- 8	Daily Live Exam HM-56 MCQ (10× 1=10); 10 min. Daily Live Exam C-46 MCQ (10× 1=10); 10 min.	
31 October 2025 (Friday) Chapter-wise Exam-24	Guideline Seminar -03	Physics 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.			
01 November 2025 (Saturday)	HM-57 H. Math: Chapter- 8	P-57 Physics: Chapter- 8	Daily Live Exam B-23 MCQ (10× 1=10); 10 min. Daily Live Exam P-56 MCQ (10× 1=10); 10 min.	
02 November 2025 (Sunday)	Z-24 Zoology: Chapter- 11	C-47 Chemistry: Chapter- 3	Daily Live Exam HM-57 MCQ (10× 1=10); 10 min. Daily Live Exam P-57 MCQ (10× 1=10); 10 min.	
03 November 2025 (Monday) Chapter-wise Exam-25	P-33 Physics: Chapter- 5	HM-23 H. Math: Chapter- 5	Daily Live Exam Z-24 MCQ (10× 1=10); 10 min. Daily Live Exam C-47 MCQ (10× 1=10); 10 min.	
	H.Math 2nd Paper Chapter- 07 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10× 1=10); Time: 10min.			
04 November 2025 (Tuesday)	C-48 Chemistry: Chapter- 3	B-24 Botany: Chapter- 12	Daily Live Exam P-33 MCQ (10× 1=10); 10 min. Daily Live Exam HM-23 MCQ (10× 1=10); 10 min.	
05 November 2025 (Wednesday)	HM-58 H. Math: Chapter- 8	C-49 Chemistry: Chapter- 3	Daily Live Exam C-48 MCQ (10× 1=10); 10 min. Daily Live Exam B-24 MCQ (10× 1=10); 10 min.	
06 November 2025 (Thursday)	B-25 Botany: Chapter- 12	P-58 Physics: Chapter- 9	Daily Live Exam HM-58 MCQ (10× 1=10); 10 min. Daily Live Exam C-49 MCQ (10× 1=10); 10 min.	
07 November 2025 (Friday) Chapter-wise Exam-26	H.Math Problem Solving Class-03			
	Botany chapter- 11 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10× 1=10); Time: 10min			
08 November 2025 (Saturday)	HM-59 H. Math: Chapter- 9	P-59 Physics: Chapter- 9	Daily Live Exam B-25 MCQ (10× 1=10); 10 min. Daily Live Exam P-58 MCQ (10× 1=10); 10 min.	
09 November 2025 (Sunday)	Z-25 Zoology: Chapter- 11	C-50 Chemistry: Chapter- 3	Daily Live Exam HM-59 MCQ (10× 1=10); 10 min. Daily Live Exam P-59 MCQ (10× 1=10); 10 min.	
10 November 2025 (Monday) Chapter-wise Exam-27	P-34 Physics: Chapter- 5	HM-24 H. Math: Chapter- 5	Daily Live Exam Z-25 MCQ (10× 1=10); 10 min. Daily Live Exam C-50 MCQ (10× 1=10); 10 min.	
	Physics 2nd Paper Chapter- 08 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10× 1=10); Time: 10min.			
11 November 2025 (Tuesday)	C-51 Chemistry: Chapter- 4	Z-26 Zoology: Chapter- 11	Daily Live Exam P-34 MCQ (10× 1=10); 10 min. Daily Live Exam HM-24 MCQ (10× 1=10); 10 min.	
12 November 2025 (Wednesday)	HM-60 H. Math: Chapter- 9	C-52 Chemistry: Chapter- 4	Daily Live Exam C-51 MCQ (10× 1=10); 10 min. Daily Live Exam Z-26 MCQ (10× 1=10); 10 min.	

13 November 2025 (Thursday)	Z-27 Zoology: Chapter- 11	P-60 Physics: Chapter- 9	Daily Live Exam HM-60 MCQ (10× 1=10); 10 min. Daily Live Exam C-52 MCQ (10× 1=10); 10 min.
14 November 2025 (Friday) Chapter-wise Exam-28	Biology Problem Solving Class-03		
	H.Math 2nd Paper Chapter- 08 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10× 1=10); Time: 10min.		
15 November 2025 (Saturday)	HM-61 H. Math: Chapter- 9	P-61 Physics: Chapter- 10	Daily Live Exam Z-27 MCQ (10× 1=10); 10 min. Daily Live Exam P-60 MCQ (10× 1=10); 10 min.
16 November 2025 (Sunday)	Z-28 Zoology: Chapter- 11	C-53 Chemistry: Chapter- 4	Daily Live Exam HM-61 MCQ (10× 1=10); 10 min. Daily Live Exam P-61 MCQ (10× 1=10); 10 min.
17 November 2025 (Monday) Chapter-wise Exam-29	P-35 Physics: Chapter- 5	HM-25 H. Math: Chapter- 5	Daily Live Exam Z-28 MCQ (10× 1=10); 10 min. Daily Live Exam C-53 MCQ (10× 1=10); 10 min.
	Botany chapter- 12 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10× 1=10); Time: 10min		
18 November 2025 (Tuesday)	C-54 Chemistry: Chapter- 4	Z-29 Zoology: Chapter- 12	Daily Live Exam P-35 MCQ (10× 1=10); 10 min. Daily Live Exam HM-25 MCQ (10× 1=10); 10 min.
19 November 2025 (Wednesday) Chapter-wise Exam-30	HM-62 H. Math: Chapter- 9	C-55 Chemistry: Chapter- 4	Daily Live Exam C-54 MCQ (10× 1=10); 10 min. Daily Live Exam Z-29 MCQ (10× 1=10); 10 min.
	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.		
20 November 2025 (Thursday)	Z-30 Zoology: Chapter- 12	Chemistry Problem Solving Class-04	Daily Live Exam HM-62 MCQ (10× 1=10); 10 min. Daily Live Exam C-55 MCQ (10× 1=10); 10 min.
21 November 2025 (Friday) Chapter-wise Exam-31	---	P-62 Physics: Chapter- 10	Daily Live Exam Z-30 MCQ (10× 1=10); 10 min. ---
	Zoology chapter- 11 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10× 1=10); Time: 10min		
22 November 2025 (Saturday)	HM-63 H. Math: Chapter- 9	P-63 Physics: Chapter- 10	--- Daily Live Exam P-62 MCQ (10× 1=10); 10 min.
23 November 2025 (Sunday)	Z-31 Zoology: Chapter- 12	C-56 Chemistry: Chapter- 4	Daily Live Exam HM-63 MCQ (10× 1=10); 10 min. Daily Live Exam P-63 MCQ (10× 1=10); 10 min.
24 November 2025 (Monday) Chapter-wise Exam-32	P-36 Physics: Chapter- 5	HM-26 H. Math: Chapter- 5	Daily Live Exam Z-31 MCQ (10× 1=10); 10 min. Daily Live Exam C-56 MCQ (10× 1=10); 10 min.
	Physics 2nd Paper Chapter- 09 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10× 1=10); Time: 10min.		
The next class and exam routine (Part-05) 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**).

HSC 2nd Year Academic Program Progressive Batch (Class & Exam Syllabus-4)

Physics 2nd Paper Reference Book:		
Chapter	Lecture	Lecture-based discussion topics
Chapter 05 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, Average and Root Mean Square Value of Alternating Current.
	P-36	All Mathematical Problems Related to Alternating Current.
Chapter 08 Introduction of Modern Physics	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.
	P-57	Compton Effect, Mathematical Examples on Compton Effect, Heisenberg's Uncertainty Principle, Mathematical Examples.
Chapter 09 Atomic Model & Nuclear Physics	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.
	P-60	Half-life and average-life, Mass defect and binding energy, nuclear reaction, Fission, fusion and nuclear reactor.
Chapter 10 Semi-Conductor & Electronics	P-61	Energy band, Conductor, Semi-conductor and insulator with respect to band theory, Effect of temperature on semi-conductor, Pure and impure semi-conductor, P-type and n-type semi-conductor, p-n junction diode.
	P-62	Biasing in p-n junction, Forward and reverse bias, Ideal diode model, Model of constant voltage drop, General mathematical problems related to Diode.
	P-63	General mathematical problems related to Diode, use of diode as a rectifier.

Chemistry 2nd paper Reference Book: पाठालाल TEXT		
Chapter	Lecture	Lecture-based discussion topics
Chapter 03 Stoichiometric Chemistry	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 04 Electro-chemistry	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 Reference Book: पाठालाल TEXT		
Chapter	Lecture	Lecture-based discussion topics
Chapter 07 Inverse Trigonometric Functions and Trigonometric Equations	HM-46	Exercise-7.2; Solution from the sum of trigonometric expressions, solution from the product of trigonometric expressions.
Chapter 05 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 $(a + x)^n$.
Chapter 08 Statics	HM-55	Exercise-8.3; Resultant of parallel forces acting on paired objects, determining the magnitude of the resultant of two similar parallel forces, determining direction and point of action.

	HM-56	Exercise-8.3; Determining the magnitude of the resultant of two unlike parallel forces, their direction and point of action, mathematical problems.
	HM-57	Exercise-8.3; Triangle related problems in the case of similar parallel forces, determining the pressure and reaction forces related problems.
	HM-58	Exercise-8.3; Moment of force, couple.
Chapter 09 Motion of particles in a plane	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 Reference Book: ম্যাটালাল TEXT		
Chapter	Lecture	Lecture-based discussion topics
Chapter 11 Biotechnology	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.
Chapter 12 Environment, distribution, and conservation of organisms	B-23	Species, population, biotic community, biosphere, ecosystem, energy flow.
	B-24	Adaptations of animals, aquatic adaptations, desert adaptations, adaptations to saline environments.
	B-25	Biome, Flora and fauna of the Oriental region, forests of Bangladesh, biodiversity and biodiversity conservation.

Zoology Reference Book: ম্যাটালাল TEXT		
Chapter	Lecture	Lecture-based discussion topics
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.
Chapter 12 Animal Behavior	Z-29	Nature of behavior, stimulus, behavioral changes due to stimulus, relationship between behavior and heredity, innate behavior, taxis
	Z-30	Reflexes, instincts, Tests for instincts.
	Z-31	Learned behavior, Types of learned behavior, Social Behavior, Altruism, Altruism in the social behavior of the bees.



উদ্ভাস

একাডেমিক এন্ড এডমিশন কেয়ার



বিস্তারিত
ঠিকানা