

HSC 1st Year একাডেমিক প্রোগ্রাম Prime ব্যাচ

[অনলাইন/কনসোল]

Class & Exam Routine [Part-03]

Date & Day	Live Class: 1	Live Class: 2	Live Exam	Online: From 8:00am to 11:55pm
	2:30 pm	6:45 pm		Offline: From 9:00am to 5:00pm
16 November 2025 (Sunday)	C-41 Chemistry: Chapter-4	HM-58 H.Math: Chapter-8	Daily Live Exam B-14 MCQ (10×1=10); 10 min.	
17 November 2025 (Monday)	HM-56 H.Math: Chapter-7	C-42 Chemistry: Chapter-4	Daily Live Exam C-41 MCQ (10×1=10); 10 min. Daily Live Exam HM-58 MCQ (10×1=10); 10 min.	
18 November 2025 (Tuesday)	P-25 Physics: Chapter-4	C-35 Chemistry: Chapter-3	Daily Live Exam HM-56 MCQ (10×1=10); 10 min. Daily Live Exam C-42 MCQ (10×1=10); 10 min.	
19 November 2025 (Wednesday)	P-26 Physics: Chapter-4	B-15 Botany: Chapter-3	Daily Live Exam P-25 MCQ (10×1=10); 10 min. Daily Live Exam C-35 MCQ (10×1=10); 10 min.	
20 November 2025 (Thursday)	Z-07 Zoology: Chapter-2	HM-63 H.Math: Chapter-9	Daily Live Exam P-26 MCQ (10×1=10); 10 min. Daily Live Exam B-15 MCQ (10×1=10); 10 min.	
21 November 2025 (Friday)	Physics Problem Solving Class-02			
22 November 2025 (Saturday) Chapter Wise Exam-15	H.Math 1st Paper Chapter-07 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.			
23 November 2025 (Sunday)	C-43 Chemistry: Chapter-4	HM-59 H.Math: Chapter-8	Daily Live Exam Z-07 MCQ (10×1=10); 10 min. Daily Live Exam HM-63 MCQ (10×1=10); 10 min.	
24 November 2025 (Monday)	HM-64 H.Math: Chapter-9	C-44 Chemistry: Chapter-4	Daily Live Exam C-43 MCQ (10×1=10); 10 min. Daily Live Exam HM-59 MCQ (10×1=10); 10 min.	
25 November 2025 (Tuesday)	P-27 Physics: Chapter-4	C-36 Chemistry: Chapter-3	Daily Live Exam HM-64 MCQ (10×1=10); 10 min. Daily Live Exam C-44 MCQ (10×1=10); 10 min.	
26 November 2025 (Wednesday)	P-28 Physics: Chapter-4	B-16 Botany: Chapter-3	Daily Live Exam P-27 MCQ (10×1=10); 10 min. Daily Live Exam C-36 MCQ (10×1=10); 10 min.	
27 November 2025 (Thursday)	Z-08 Zoology: Chapter-2	HM-65 H.Math: Chapter-9	Daily Live Exam P-28 MCQ (10×1=10); 10 min. Daily Live Exam B-16 MCQ (10×1=10); 10 min.	
28 November 2025 (Friday)	Biology Problem Solving Class-02			
29 November 2025 (Saturday) Chapter Wise Exam-16	Chemistry 1st Paper Chapter-04 [Part-01 Lecture C-37 to 44]; (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.			
30 November 2025 (Sunday)	C-45 Chemistry: Chapter-4	HM-60 H.Math: Chapter-8	Daily Live Exam Z-08 MCQ (10×1=10); 10 min. Daily Live Exam HM-65 MCQ (10×1=10); 10 min.	
01 December 2025 (Monday)	HM-66 H.Math: Chapter-9	C-46 Chemistry: Chapter-4	Daily Live Exam C-45 MCQ (10×1=10); 10 min. Daily Live Exam HM-60 MCQ (10×1=10); 10 min.	
02 December 2025 (Tuesday)	P-29 Physics: Chapter-4	C-53 Chemistry: Chapter-5	Daily Live Exam HM-66 MCQ (10×1=10); 10 min. Daily Live Exam C-46 MCQ (10×1=10); 10 min.	
03 December 2025 (Wednesday)	P-30 Physics: Chapter-4	B-17 Botany: Chapter-3	Daily Live Exam P-29 MCQ (10×1=10); 10 min. Daily Live Exam C-53 MCQ (10×1=10); 10 min.	
04 December 2025 (Thursday)	Z-09 Zoology: Chapter-2	HM-67 H.Math: Chapter-9	Daily Live Exam P-30 MCQ (10×1=10); 10 min. Daily Live Exam B-17 MCQ (10×1=10); 10 min.	
05 December 2025 (Friday)	Chemistry Problem Solving Class-03			
06 December 2025 (Saturday) Chapter Wise Exam-17	Chemistry 1st Paper Chapter-03 [Part-02 Lecture C-31 to 36]; (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.			
07 December 2025 (Sunday)	C-47 Chemistry: Chapter-4	HM-61 H.Math: Chapter-8	Daily Live Exam Z-09 MCQ (10×1=10); 10 min. Daily Live Exam HM-67 MCQ (10×1=10); 10 min.	
08 December 2025 (Monday)	HM-68 H.Math: Chapter-9	C-48 Chemistry: Chapter-4	Daily Live Exam C-47 MCQ (10×1=10); 10 min. Daily Live Exam HM-61 MCQ (10×1=10); 10 min.	
09 December 2025 (Tuesday)	P-31 Physics: Chapter-5	C-54 Chemistry: Chapter-5	Daily Live Exam HM-68 MCQ (10×1=10); 10 min. Daily Live Exam C-48 MCQ (10×1=10); 10 min.	
10 December 2025 (Wednesday)	P-32 Physics: Chapter-5	B-18 Botany: Chapter-3	Daily Live Exam P-31 MCQ (10×1=10); 10 min. Daily Live Exam C-54 MCQ (10×1=10); 10 min.	
11 December 2025 (Thursday)	Z-10 Zoology: Chapter-2	HM-69 H.Math: Chapter-9	Daily Live Exam P-32 MCQ (10×1=10); 10 min. Daily Live Exam B-18 MCQ (10×1=10); 10 min.	
12 December 2025 (Friday)	Guideline Seminar-03			
13 December 2025 (Saturday) Chapter Wise Exam-18	Physics 1st Paper Chapter-04 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.			
14 December 2025 (Sunday)	C-49 Chemistry: Chapter-4	HM-62 H.Math: Chapter-8	Daily Live Exam Z-10 MCQ (10×1=10); 10 min. Daily Live Exam HM-69 MCQ (10×1=10); 10 min.	
15 December 2025 (Monday)	HM-70 H.Math: Chapter-9	C-50 Chemistry: Chapter-4	Daily Live Exam C-49 MCQ (10×1=10); 10 min. Daily Live Exam HM-62 MCQ (10×1=10); 10 min.	

Online class and exam will be closed on December 16, (Tuesday) on the occasion of Victory Day.

December 17, 2025 (Wednesday)	P-33 Physics: Chapter-5	B-25 Botany: Chapter-5	Daily Live Exam HM-70 MCQ (10×1=10); 10 min. Daily Live Exam C-50 MCQ (10×1=10); 10 min.
18 December 2025 (Thursday)	Z-11 Zoology: Chapter-2	HM-71 H.Math: Chapter-9	Daily Live Exam P-33 MCQ (10×1=10); 10 min. Daily Live Exam B-25 MCQ (10×1=10); 10 min.
19 December 2025 (Friday)	H.Math Problem Solving Class-03		
20 December 2025 (Saturday) Chapter Wise Exam-19	Botany Chapter-03 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.		
21 December 2025 (Sunday)	C-51 Chemistry: Chapter-4	HM-27 H.Math: Chapter-4	Daily Live Exam Z-11 MCQ (10×1=10); 10 min. Daily Live Exam HM-71 MCQ (10×1=10); 10 min.
22 December 2025 (Monday)	HM-72 H.Math: Chapter-9	C-52 Chemistry: Chapter-4	Daily Live Exam C-51 MCQ (10×1=10); 10 min. Daily Live Exam HM-27 MCQ (10×1=10); 10 min.
23 December 2025 (Tuesday)	P-34 Physics: Chapter-5	C-55 Chemistry: Chapter-5	Daily Live Exam HM-72 MCQ (10×1=10); 10 min. Daily Live Exam C-52 MCQ (10×1=10); 10 min.
24 December 2025 (Wednesday)	P-35 Physics: Chapter-5	B-26 Botany: Chapter-5	Daily Live Exam P-34 MCQ (10×1=10); 10 min. Daily Live Exam C-55 MCQ (10×1=10); 10 min.
Online class and exam will be closed on December 25 (Thursday) on the occasion of Christmas.			
26 December 2025 (Friday) Chapter Wise Exam-20	Physics Problem Solving Class-03 H.Math Chapter-08 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.		
27 December 2025 (Saturday) Chapter Wise Exam-21	H.Math 1st Paper Chapter-09 [Part-01 Lecture HM-63 to 70]; (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.		
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 1st Year Academic Program Prime Batch (Class & Exam Syllabus-03)

Physics 1st paper Reference Book: মাতালাল TEXT		
Chapter	Lecture	Lecture-based discussion
Chapter-4 Newtonian Mechanics	P-25	Conservation of momentum, vector representation of conservation of momentum, collision, formulas for one-dimensional elastic collision.
	P-26	Center of mass, impulse and impact force, applicability and applications of Newton's laws, standing on the ground, walking, pulling a horse cart, towing a boat, space missions and rocket motion, interrelation of Newton's laws of motion.
	P-27	Uniform circular motion, centripetal force, centrifugal force, banking of curved roads for vehicles (bicycles, trains, motor vehicles).
	P-28	Rotational inertia: moment of inertia, radius of gyration, perpendicular axis theorem, parallel axis theorem.
	P-29	CQ & Admission Standard Problems to moment of inertia, torque, quantities for torque, vector representation of torque, torque and angular acceleration
	P-30	Angular momentum, equivalent methods for calculating angular momentum, angular momentum of a rotating object in circular motion, relationship between torque (τ) and angular momentum (L), Newton's laws for rotational motion, applications of Newton's laws in rotational motion, mathematical problems.
Chapter-5 Work, Energy and Power	P-31	Work, positive, negative, and zero work, constant and variable force, work done by a constant force.
	P-32	Work done by a variable force, spring force, work done in rotational motion, displacement of the center of mass and mathematical problems.
	P-33	CQ & Admission Standard mathematical problems related to center of mass displacement, dependency of work done on the path, kinetic energy and work-energy theorem, kinetic energy of a rotating object, kinetic energy of an object undergoing both translational and rotational motion.
	P-34	Conservative forces, non-conservative forces, potential energy, gravitational potential energy, elastic potential energy, relationship between potential energy and force.
	P-35	Problems related to potential energy and kinetic energy, Changes in work done and mechanical energy, conservation of mechanical energy, principle of conservation of energy.

Chemistry 1st paper Reference Book: মাতালাল TEXT		
Chapter	Lecture	Lecture-based discussion
Chapter-3 Periodic Properties and Bonding in Elements	C-35	Effect of electronegativity on compounds with chemical bonds- Polarization or deformation of ion, Covalent properties in ionic compounds, Fajan's rule, Effect of polarization on salt.
	C-36	Weak chemical bonds- Vander Waals force, H bond, Importance of H bond, Naming of inorganic compounds.
Chapter-4 Chemical Changes	C-41	Effect of Pressure on rate of reaction, Effect of concentration on rate of reaction, Effect of catalyst on rate of reaction.
	C-42	Equilibrium of Chemical Reaction- Equilibrium and its Dynamics.
	C-43	Le-Chatelier's Principle Effect of temperature, pressure and concentration on equilibrium, Use in industry (Le-Chatelier's Principle).
	C-44	Law of mass action, Discussion about equilibrium constant (K_p and K_c).

	C-45	Derivation of mathematical expression of K_p and K_c
	C-46	Mathematical Problem of K_p and K_c
	C-47	Acid-Base equilibrium- Theories related to acid-base, Ionic product of water
	C-48	Dissociation constant of acid-base, Degree of dissociation, Acid-Base strength.
	C-49	P_H & P_{OH}
	C-50	Buffer solution
	C-51	Thermochemistry- Law of conservation of mass and energy, Thermochemical equation, Heat of reaction.
	C-52	Bond energy, Lavoisier and Hess's law, determining heat of reaction using Lavoisier and Hess's law.
Chapter-5 Vocational Chemistry	C-53	Food Safety- (Chemistry in enhancing food production, Importance of various elements as fertilizers, Role of chemistry in food preservation, Drying method of Foodstuff, Cooling method of Foodstuff).
	C-54	Food Preservatives- (Natural Food Preservatives, Artificial Food Preservatives, Anti-Microbial Agents, Antioxidants, Vinegar).
	C-55	Food Fractionation- (Stages of Fractionation Fruit Fractionation, Vegetable Fractionation, Fish Fractionation).

H.math 1st paper Reference Book: **মাতালাল TEXT**

Chapter	Lecture	Lecture-based discussion
Chapter-4 Circle	HM-27	Exercise - 4.1; Concept of circle, equation of a circle with center at origin and radius r , equation of a circle with given center and radius, general equation of a circle, some properties of general equation of a circle / condition of equation of a circle, signs of g and f in different quadrants, classification of circle.
Chapter-7 Trigonometric Ratios of Associated and Compound Angles	HM-56	Exercise - 7.7; progression related, trigonometric ratios of half angles of a triangle and Formulae, Area of a triangle related, relationship between the in-radius and the circumradius: Area related, determining the nature of a triangle based on conditions, others.
Chapter-8 Functions and Graph of Functions	HM-58	Exercise - 8; Problems related to determining the value of functions, One-one function and many-one function, Onto function, Bijective function.
	HM-59	Exercise - 8; Inverse function and inverse relation, discussion on inverse function, domain-range determination method
	HM-60	Exercise - 8; Transformation of functions and relations, transformation of graphs, change in shape of graphs, reflection of graphs, symmetry of graphs.
	HM-61	Exercise - 8; Various functions related to square roots, rational functions ($f(x) = \frac{P(x)}{Q(x)}$), n -th root related functions, absolute value related functions, exponential functions ($y = a^x$; $a > 0, a \neq 1$), logarithmic functions,
	HM-62	Exercise - 8; Determining the Domain range related, adjoint functions.
Chapter-9 Differentiation	HM-63	Exercise - 9.1; Basic concepts of limits, undefined, infinite, existence of limits,
	HM-64	Exercise - 9.1; Limits, basic theorems of limits, Existence of limits and general limits, Factor analysis related, related to multiplying denominator and numerator of $\lim_{x \rightarrow a} \frac{x^n - a^n}{x - a}$ by conjugate.
	HM-65	Exercise - 9.1; Limits at infinite points and infinite limits, some special limits; Infinite limits related. $\lim_{x \rightarrow 0} \frac{\sin x}{x}$; $\lim_{x \rightarrow 0} \frac{\tan x}{x}$
	HM-66	Exercise - 9.1; $\lim_{x \rightarrow 0} (1+x)^{\frac{1}{x}}$; $\lim_{x \rightarrow \infty} (1+\frac{1}{x})^x$ related, Series related; Continuity of functions, Sandwich theorem.
	HM-67	Exercise - 9.2; Differentiability of functions, Differentiation by first principle rule.
	HM-68	Exercise - 9.2; General formulae of differentiation, Exercise - 9.3; Derivative of products of functions. Derivative of quotients of functions.
	HM-69	Exercise - 9.4; Differentiation of conjugate functions, La Hôpital's Rule (Admission Special).
	HM-70	Exercise - 9.4; Concept of inverse trigonometric functions, Differentiation using logarithms related
	HM-71	Exercise - 9.5; Derivative of undefined functions, Differentiation of parametric equations; Differentiation of functions with respect to functions, Exercise.
	HM-72	Exercise - 9.6; Periodic differentiation, n th derivative, Proof of periodic differentiation (trigonometry related).

Botany Reference Book: **মাতালাল TEXT**

Chapter	Lecture	Lecture-based discussion
Chapter-3 Cell Chemistry	B-15	Oligosaccharide, Polysaccharide, Functions of Carbohydrate
	B-16	Amino Acid: Types of Amino Acid, Protein: Types of Protein
	B-17	Lipid: Structure of Lipid, Types of Lipids, Role of lipid in living body
	B-18	Enzyme: Characteristics of enzyme, mechanism of action of enzyme, theories regarding mechanism of action of enzyme. Classification of enzyme, regulators of enzyme, Uses of enzyme
Chapter-5 Algae and Fungi	B-25	Algae (Characteristics, Physical structure, Cellular structure), Reproduction of algae (Vegetative reproduction, asexual reproduction, sexual reproduction)
	B-26	<i>Ulothrix</i> (habitat, Physical structure, reproduction), Economic importance of algae

Zoology Reference Book: **মাতালাল TEXT**

Chapter	Lecture	Lecture-based discussion
Chapter-2 Animal Identity	Z-07	Hydra, External structure of Hydra, Internal structure of Hydra, Cells of body wall of Hydra, Cells of Epidermis, Structure of ideal cnidocyte, Types of nematocyst, Mechanism of Discharge of nematocyst-thread
	Z-08	Cells of gastrodermis, Mesoglea, Coelenteron, Ingestion and digestion of food of Hydra, Locomotion of Hydra, Reproduction of Hydra, Regeneration of Hydra, Division of Labor of Hydra, Symbiosis
	Z-09	Grasshopper, External structure of grasshopper, Tagmata of Grasshopper, Mouth parts of grasshopper
	Z-10	Digestive system of grasshopper (Alimentary Canal, Digestive Glands), Ingestion and Digestion of food
	Z-11	Blood circulatory system of grasshopper, respiratory system, excretory system



উদ্ভাস

একাডেমিক এন্ড এডমিশন কেয়ার



দেশব্যাপী ৬৪ জেলায় ১১১ টি শাখায়
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