HSC 2nd Year Academic Program Progressive Batch [Online/Combo]

Class & Exam Routine Part-03 (English Version)

Date & Day	Live Class: 1 2:30pm	Live Class: 2 6:45pm	Live Exam	Online: From 8:00am to 11:55pm / Offline: From 9:00am to 5:00pm
27 September 2025 (Saturday)	**HM-49** H. Math: Chapter- 8	**P-52** Physics: Chapter- 8	Daily Live Exam **P-28** MCQ (10× 1=10); 10 min. Daily Live Exam **B-15** MCQ (10× 1=10); 10 min.	
28 September 2025 (Sunday)	**Z-19** Zoology: Chapter- 10	**C-33** Chemistry: Chapter- 2	Daily Live Exam **HM-49** MCQ (10× 1=10); 10 min. Daily Live Exam **P-52** MCQ (10× 1=10); 10 min.	
29 September 2025 (Monday)	**C-34** Chemistry: Chapter- 2	**HM-39** H. Math: Chapter- 7	Daily Live Exam **Z-19** MCQ (10× 1=10); 10 min. Daily Live Exam **C-33** MCQ (10× 1=10); 10 min.	
Online classes and exams will be closed from September 30 to October 4 on the occasion of Sharadiya Durga Puja.				
05 October 2025 (Sunday)	**Z-20** Zoology: Chapter- 10	**C-35** Chemistry: Chapter- 2	Daily Live Exam **C-34** MCQ (10× 1=10); 10 min. Daily Live Exam **HM-39** MCQ (10× 1=10); 10 min.	
06 October 2025 (Monday)	**P-29** Physics: Chapter- 4	**HM-40** H. Math: Chapter- 7	Daily Live Exam **Z-20** MCQ (10× 1=10); 10 min. Daily Live Exam **C-35** MCQ (10× 1=10); 10 min.	
	H. Math 2nd Paper Chapter- 02 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10× 1=10); Time: 10min.			
07 October 2025 (Tuesday)	**C-36** Chemistry: Chapter- 2	**B-16** Botany: Chapter- 9	Daily Live Exam **P-29** MCQ (10× 1=10); 10 min. Daily Live Exam **HM-40** MCQ (10× 1=10); 10 min.	
08 October 2025 (Wednesday)	**HM-50** H. Math: Chapter- 8	**C-37** Chemistry: Chapter- 2	Daily Live Exam **C-36** MCQ (10× 1=10); 10 min. Daily Live Exam **B-16** MCQ (10× 1=10); 10 min.	
09 October 2025 (Thusday)	**B-17** Botany: Chapter- 10	**HM-41** H. Math: Chapter- 7	Daily Live Exam **HM-50** MCQ (10× 1=10); 10 min. Daily Live Exam **C-37** MCQ (10× 1=10); 10 min.	
10 October 2025 (Friday)	**H. Math Problem Solving Class-02 (Evening- 6:30pm)**			
	Botany Chapter- 09 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10× 1=10); Time: 10min.			
11 October 2025 (Saturday)	**HM-51** H. Math: Chapter- 8	**P-53** Physics: Chapter- 8	Daily Live Exam **B-17** MCQ (10× 1=10); 10 min. Daily Live Exam **HM-41** MCQ (10× 1=10); 10 min.	
12 October 2025 (Sunday)	**Z-21** Zoology: Chapter- 10	**C-38** Chemistry: Chapter- 2	Daily Live Exam **HM-51** MCQ (10× 1=10); 10 min. Daily Live Exam **P-53** MCQ (10× 1=10); 10 min.	
13 October 2025 (Monday)	**P-30** Physics: Chapter- 4	**HM-42** H. Math: Chapter- 7	Daily Live Exam **Z-21** MCQ (10× 1=10); 10 min. Daily Live Exam **C-38** MCQ (10× 1=10); 10 min.	
14 October 2025 (Tuesday)	**C-39** Chemistry: Chapter- 3	**B-18** Botany: Chapter- 10	Daily Live Exam **P-30** MCQ (10× 1=10); 10 min. Daily Live Exam **HM-42** MCQ (10× 1=10); 10 min.	
15 October 2025 (Wednesday)	**HM-52** H. Math: Chapter- 8	**C-40** Chemistry: Chapter- 3	Daily Live Exam **C-39** MCQ (10× 1=10); 10 min. Daily Live Exam **B-18** MCQ (10× 1=10); 10 min.	
16 October 2025 (Thusday)	**B-19** Botany: Chapter- 10	**HM-43** H. Math: Chapter- 7	Daily Live Exam **HM-52** MCQ (10× 1=10); 10 min. Daily Live Exam **C-40** MCQ (10× 1=10); 10 min.	
17 October 2025 (Friday)	**Biology Problem Solving Class-03 (Evening- 6:30pm)**			
	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 October 2025 (Saturday)	**HM-53** H. Math: Chapter- 8	**P-54** Physics: Chapter- 8	Daily Live Exam **B-19** MCQ (10× 1=10); 10 min. Daily Live Exam **HM-43** MCQ (10× 1=10); 10 min.	
19 October 2025 (Sunday)	**Z-22** Zoology: Chapter- 10	**C-41** Chemistry: Chapter- 3	Daily Live Exam **HM-53** MCQ (10× 1=10); 10 min. Daily Live Exam **P-54** MCQ (10× 1=10); 10 min.	

20 October 2025 (Monday)	**P-31** Physics: Chapter- 4	**HM-44** H. Math: Chapter- 7	Daily Live Exam **Z-22** MCQ (10× 1=10); 10 min.
			Daily Live Exam **C-41** MCQ (10× 1=10); 10 min.
	Botany Chapter- 10 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10× 1=10); Time: 10min.		
21 October 2025 (Tuesday)	**C-42** Chemistry: Chapter- 3	**B- 20** Botany: Chapter- 11	Daily Live Exam **P-31** MCQ (10× 1=10); 10 min.
			Daily Live Exam **HM-44** MCQ (10× 1=10); 10 min.
22 October 2025 (Wednesday)	**HM-54** H. Math: Chapter- 8	**C-43** Chemistry: Chapter- 3	Daily Live Exam **C-42** MCQ (10× 1=10); 10 min.
			Daily Live Exam **B-20** MCQ (10× 1=10); 10 min.
23 October 2025 (Thusday)	**B-21** Botany: Chapter- 11	**HM-45** H. Math: Chapter- 7	Daily Live Exam **HM-54** MCQ (10× 1=10); 10 min.
			Daily Live Exam **C-43** MCQ (10× 1=10); 10 min.
24 October 2025 (Friday)	**Chemistry Problem Solving Class-03 (Evening- 6:30pm)**		
	Zoology Chapter- 10 (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 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-3)

Physics 2nd Paper Reference Book: স্যারলাল TEXT		
Chapter	**Lecture**	**Lecture-based discussion topics**
Chapter- 4 Magnetic Effects of Current and Magnetism	P-29	Force between two infinitely long parallel current-carrying conductors, torque acting on a closed current loop in a magnetic field, and general mathematical problems.
	P-30	CQ & Admission Standard mathematical problems related to force and torque in a magnetic field, magnetic field due to the orbital motion of an electron and the expression for magnetic dipole moment, magnetic dipole moment due to the spin of an electron or its rotation about its own axis.
	P-31	Geomagnetism, several definitions related to geomagnetism, and hysteresis.
Chapter- 8 Introduction of Modern Physics	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.

Chemistry 2nd paper Reference Book: স্যারলাল TEXT		
Chapter	**Lecture**	**Lecture-based discussion topics**
Chapter- 2 Organic Chemistry	C-33	Amine and everything about it.
	C-34	Aneline and everything of it
	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

H.Math 2nd Paper Reference Book: ম্যান্দালাল TEXT		
Chapter	**Lecture**	**Lecture-based discussion topics**
Chapter- 8 Statics	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 theroem 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
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.
	HM-44	Exercise-7.2; Extraneous root, a $\sin\theta$ + b $\cos\theta$ = c related solution.
	HM-45	Exercise-7.2; Solve secant/cosecant related problems using the formula for tan (x + y).

Botany Reference Book: ম্যান্দালাল TEXT		
Chapter	**Lecture**	**Lecture-based discussion topics**
Chapter- 09 Plant Physiology	B-16	Transfer of electron and oxidative phosphorylation, Anaerobic respiration, Use of anaerobic respiration in various industries, Respiratory rate/quotient, Factors of respiration, Importance of respiration.
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.

Zoology Reference Book: ম্যান্দালাল TEXT		
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.