

**UDVASH**

Academic And Admission Care

HS HSC 1st Year Academic Program Pioneer Batch**Class and Exam Routine-03****Helpline****09 666 77 55 66**

Date and time	Live Class-01 Time-2:30pm	Live Class-02 Time-6:45 pm	Live Class Online- 8 am to 11:55 pm
18 October 2026 (Sunday)	Zoology (Z-08)	Chemistry (C-39)	Daily Live Exam HM-47 MCQ (10×1=10); 10 min. Daily Live Exam P-35 MCQ (10×1=10); 10 min.
Online classes and examinations will remain suspended from October 19 to October 21 on the occasion of the autumnal Durga Puja.			
22 October 2026 (Thursday)	H.Math (HM-48)	Physics (P-36)	Daily Live Exam Z-08 MCQ (10×1=10); 10 min. Daily Live Exam C-39MCQ (10×1=10); 10 min.
25 October 2026 (Sunday)	Botany (B-19)	Chemistry (C-40)	Daily Live Exam HM-48 MCQ (10×1=10); 10 min. Daily Live Exam P-36 MCQ (10×1=10); 10 min.
26 October 2026 (Monday)	H.Math (HM-43)	Chemistry (C-22)	Daily Live Exam B-19 MCQ (10×1=10); 10 min. Daily Live Exam C-40 MCQ (10×1=10); 10 min.
27 October 2026 (Tuesday)	Chemistry Problem-Solving Class-03	Physics Problem-Solving Class-03	
28 October 2026 (Wednesday)	Zoology (Z-09)	Physics (P-37)	Daily Live Exam HM-43 MCQ (10×1=10); 10 min. Daily Live Exam C-22MCQ (10×1=10); 10 min.
29 October 2026 (Thursday)	H.Math (HM-49)	Physics (P-38)	Daily Live Exam Z-09 MCQ (10×1=10); 10 min. Daily Live Exam P-37 MCQ (10×1=10); 10 min.
30 October 2026 (Friday) Chapter-wise Exam-17	Physics 1st Paper Chapter-05 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.		
31 October 2026 (Saturday) Chapter-wise Exam-18	Chemistry 1st Paper Chapter-02 [Part-02 Lecture C-13 to 22]; (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.		
01 November 2026 (Sunday)	Botany (B-20)	Chemistry (C-41)	Daily Live Exam HM-49 MCQ (10×1=10); 10 min. Daily Live Exam P-38 MCQ (10×1=10); 10 min.
02 November 2026 (Monday)	H.Math (HM-44)	Chemistry (C-01)	Daily Live Exam B-20 MCQ (10×1=10); 10 min. Daily Live Exam C-41 MCQ (10×1=10); 10 min.
04 November 2026 (Wednesday)	Zoology (Z-10)	Physics (P-39)	Daily Live Exam HM-44 MCQ (10×1=10); 10 min. Daily Live Exam C-01 MCQ (10×1=10); 10 min.
05 November 2026 (Thursday)	H.Math (HM-50)	Physics (P-40)	Daily Live Exam Z-10 MCQ (10×1=10); 10 min. Daily Live Exam P-39 MCQ (10×1=10); 10 min.
06 November 2026 (Friday) Chapter-wise Exam-19	Math 1st Paper Chapter-06 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.		
08 November 2026 (Sunday)	Botany (B-21)	Chemistry (C-02)	Daily Live Exam HM-50 MCQ (10×1=10); 10 min. Daily Live Exam P-40 MCQ (10×1=10); 10 min.
09 November 2026 (Monday)	H.Math (HM-57)	Chemistry (C-42)	Daily Live Exam B-21 MCQ (10×1=10); 10 min. Daily Live Exam C-02 MCQ (10×1=10); 10 min.
11 November 2026 (Wednesday)	Zoology (Z-11)	Physics (P-41)	Daily Live Exam HM-57 MCQ (10×1=10); 10 min. Daily Live Exam C-42 MCQ (10×1=10); 10 min.
12 November 2026 (Thursday)	H.Math (HM-51)	Physics (P-42)	Daily Live Exam Z-11 MCQ (10×1=10); 10 min. Daily Live Exam P-41 MCQ (10×1=10); 10 min.
15 November 2026 (Sunday)	Botany (B-22)	Chemistry (C-43)	Daily Live Exam HM-51 MCQ (10×1=10); 10 min. Daily Live Exam P-42 MCQ (10×1=10); 10 min.
16 November 2026 (Monday)	Physics (P-01)	Chemistry (C-03)	Daily Live Exam B-22 MCQ (10×1=10); 10 min. Daily Live Exam C-43 MCQ (10×1=10); 10 min.
18 November 2026 (Wednesday)	Zoology (Z-12)	H.Math (HM-58)	Daily Live Exam P-01 MCQ (10×1=10); 10 min. Daily Live Exam C-03 MCQ (10×1=10); 10 min.
19 November 2026 (Thursday)	H.Math (HM-52)	Physics (P-02)	Daily Live Exam Z-12 MCQ (10×1=10); 10 min. Daily Live Exam HM-58 MCQ (10×1=10); 10 min.
20 November 2026 (Friday) Chapter-wise Exam-20	Physics 1st Paper Chapter-06 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.		
21 November 2026 (Saturday)	Guideline Seminar-03		
22 November 2026 (Sunday)	Botany (B-23)	Chemistry (C-44)	Daily Live Exam HM-52 MCQ (10×1=10); 10 min. Daily Live Exam P-02 MCQ (10×1=10); 10 min.
23 November 2026 (Monday)	Physics (P-61)	Chemistry (C-04)	Daily Live Exam B-23 MCQ (10×1=10); 10 min. Daily Live Exam C-44 MCQ (10×1=10); 10 min.
25 November 2026 (Wednesday)	Zoology (Z-13)	H.Math (HM-59)	Daily Live Exam P-61 MCQ (10×1=10); 10 min. Daily Live Exam C-04 MCQ (10×1=10); 10 min.

26 November 2026 (Thursday)	H.Math (HM-53)	Physics (P-62)	Daily Live Exam Z-13 MCQ (10×1=10); 10 min. Daily Live Exam HM-59 MCQ (10×1=10); 10 min.
27 November 2026 (Friday) Chapter-wise Exam-21	Physics 1st Paper Chapter-01 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.		
28 November 2026 (Saturday) Chapter-wise Exam-22	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.		
29 November 2026 (Sunday)	Botany (B-24)	Chemistry (C-45)	Daily Live Exam HM-53 MCQ (10×1=10); 10 min. Daily Live Exam P-62 MCQ (10×1=10); 10 min.
30 November 2026 (Monday)	Physics (P-63)	Chemistry (C-53)	Daily Live Exam B-24 MCQ (10×1=10); 10 min. Daily Live Exam C-45 MCQ (10×1=10); 10 min.
01 December 2026 (Tuesday)	H. Math Problem Solving Class-04	Biology Problem Solving Class-04	
02 December 2026 (Wednesday)	Zoology (Z-14)	H.Math (HM-60)	Daily Live Exam P-63 MCQ (10×1=10); 10 min. Daily Live Exam C-53 MCQ (10×1=10); 10 min.
03 December 2026 (Thursday)	H.Math (HM-54)	Physics (P-64)	Daily Live Exam Z-14 MCQ (10×1=10); 10 min. Daily Live Exam HM-60 MCQ (10×1=10); 10 min.
04 December 2026 (Friday) Chapter-wise Exam-23	Zoology Chapter-02 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.		
05 December 2026 (Saturday) Chapter-wise Exam-24	Botany Chapter-04 (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.		
06 December 2026 (Sunday)	Botany (B-29)	Chemistry (C-46)	Daily Live Exam HM-54 MCQ (10×1=10); 10 min. Daily Live Exam P-64 MCQ (10×1=10); 10 min.
07 December 2026 (Monday)	Physics (P-65)	Chemistry (C-54)	Daily Live Exam B-29 MCQ (10×1=10); 10 min. Daily Live Exam C-46 MCQ (10×1=10); 10 min.
09 December 2026 (Wednesday)	Zoology (Z-19)	H.Math (HM-61)	Daily Live Exam P-65 MCQ (10×1=10); 10 min. Daily Live Exam C-54 MCQ (10×1=10); 10 min.
10 December 2026 (Thursday)	H.Math (HM-55)	Physics (P-66)	Daily Live Exam Z-19 MCQ (10×1=10); 10 min. Daily Live Exam HM-61 MCQ (10×1=10); 10 min.
The next class and exam routine-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-উল্লাস**)

1st Year Pioneer Batch Syllabus-03

Physics 1st Paper		
Chapter	Lecture	Lecture-based discussion topics
Chapter-5 Work, Energy and Power	P-36	Power, efficiency, mathematical problems, and problems related to work done, wells and cisterns.
Chapter-6 Gravitation and Gravity	P-37	Falling objects, Kepler's laws of planetary motion, gravitation, vector representation of gravitational force, inertial mass and gravitational mass, gravity and gravitational acceleration.
	P-38	Determination of g: relationship between gravitational constant and gravitational acceleration, variations in gravitational acceleration, changes in g due to the shape of the Earth, variation of g with altitude, variation of g with depth from the Earth's surface, variation of g due to Earth's rotation.
	P-39	Center of gravity, gravitational field, gravitational field intensity.
	P-40	Gravitational potential, relationship between gravitational field intensity and gravitational potential, gravitational potential energy, applications of the law of gravitation, application of the law of gravitation in hollow spheres, application of the law of gravitation in solid spheres.
	P-41	Escape velocity, Relationship between Newton's law of gravitation and Kepler's laws, applications of the law of gravitation.
Chapter-1 Physical World and Measurement	P-01	Scope of physics, Physics and other branches of science, Evolution of physics, Concepts, formulas, principles, postulates, hypotheses and theories in Physics, Measurement, Units, dimensions, dimensional equations, principle of symmetry, conversion of physical quantities from one unitary system to another, limitations of dimensional equations, errors, mechanical errors, observational errors, random or scattered errors, repetitive errors, Least Count errors, calculation of errors, determination of accurate values of measured quantities, significant figures.
	P-02	Error calculation (proof, percentage, relative), mathematical problems related to errors, Some measuring instruments, Vernier scale, Slide calipers, Screw-gauge, Spherometer, Weighing machine, Mathematical problems
Chapter-10	P-61	Gases, pressure of gases, volume of gases, temperature of gases, number of gases, gas laws, relationship between pressure and volume, relationship between volume and temperature, Boyle's law or pressure law.
	P-62	Ideal gases, properties of ideal gases, real gases, fundamental assumptions of the kinetic theory of gases.

Ideal gas and kinetics of gases	P-63	Kinetic molecular theory of gases, applications of kinetic theory, Different types of velocities of gas molecules, mean free path,
	P-64	Degrees of freedom, Monatomic gases, diatomic gases, polyatomic gases, linear polyatomic gases, nonlinear polyatomic gases, principle of equipartition of energy
	P-65	Water vapor and atmospheric pressure, gases and vapors, evaporation, condensation, saturated and unsaturated vapor pressure, relationship between vapor pressure and volume at constant temperature, relationships among different parameters of water vapor, dew point and relative humidity. Common mathematical problem
	P-66	Humidity measuring instruments and humidity determination, description of wet and dry bulb hygrometer, working principle of wet and dry bulb hygrometer, CQ & Admission Standard Mathematical Problems on Relative Humidity and Dew Point, some phenomena related to hygrometry.

Chemistry 1st Paper

Chapter	Lecture	Lecture-based discussion topics
Chapter-4 Chemical Changes	C-39	Order of reaction, molecularity of reaction
	C-40	Effect of temperature on rate of reaction (Arrhenius equation), Activation energy, Collision theory.
	C-41	Effect of Pressure on rate of reaction, Effect of concentration on rate of reaction, Effect of catalyst on rate of reaction. Equilibrium of chemical reaction and its Dynamics.
	C-42	Le-Chatelier's Principle Effect of temperature, pressure and concentration on equilibrium, Use in industry (Le-Chatelier's Principle).
	C-43	Derivation of mathematical expression of K_p and K_c
	C-44	Derivation of mathematical expression of K_p and K_c
	C-45	Mathematical Problem of K_p and K_c
	C-46	Acid-Base equilibrium- Theories related to acid-base, Ionic product of water
Chapter-1 Safe Use of Laboratory	C-01	Safe use of Laboratory- Aprons, masks, safety glasses, gloves, lab rules/golden rules, Solvent measuring device and its uses - Chemical analysis, test tubes, beakers, burettes, pipettes, volumetric flasks, conical flasks, wash bottles, measuring cylinders, techniques for cleaning glassware, Concentration- Molarity, Molality, Dilution, Standard Substances (Primary & Secondary) + Math
	C-02	Titration- Method, Indicator, End Point & Equivalent Point, Formulation of Titration Equations + Math.
	C-03	Solute measuring instruments - chemical instruments, Paul-Bunge balances, method of weighing in balances, digital balances, Heating Techniques with Laboratory Apparatus- Bunsen Burner & Flame, Heating Techniques in Round Bottom Flasks, Conical flask heating technique, Water bath heating technique, Porcelain bowl heating technique, Test tube heating technique, Beaker heating technique. Storage, Use, Precautions and Disposal of Chemicals- Storage of Chemicals, Waste Management, Use and Precautions of Chemicals.
	C-04	Effects of Chemicals on Environment and Moderate Use - Environmental Pollution by Airborne Substances, Environmental Pollution by Laboratory Solid and Liquid Substances, Effects of chemicals on Environment and Health, moderate use of chemicals, analytical methods (macro, semi-micro, micro), laboratory safety equipment and rules of use - fume hood, blanket, laboratory kit, eyecup, sink, use of fire extinguisher, first aid box, first aid and Use of first aids.
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).

H.Math 1st Paper

Chapter	Lecture	Lecture-based discussion topics
Chapter-7 Trigonometric Ratios of Associated and Compound Angles	HM-48	Exercise - 7.2; $A \pm B$ related formulae and problems, problems related to trigonometric expansions, problems related to $\frac{\cos A \pm \sin A}{\cos A \mp \sin A}$ formula, problems related to $A + B = \text{constant}$, Finding the maximum/minimum value of a trigonometric expression.
	HM-49	Exercise - 7.3; Formulae and problems related to $\sin(A + B) \pm \sin(A - B)$ or $\cos(A + B) \pm \cos(A - B)$, Problems related to $\tan^2 C \pm \tan^2 D$, problems related to $\sin A + \cos A$.
	HM-50	Exercise - 7.4; Trigonometric ratios of multiple angles, formulae and problems for trigonometric ratios of $2A$ angles, series related (arithmetic and geometric series) and problems.
	HM-51	Exercise - 7.4; Problems related to periodic square roots, Trigonometric ratios of $3A$ angles and problems, Trigonometric ratios of specific angles.
	HM-52	Exercise - 7.5; Formulae and problems related to proof, Problems related to determining the values of various trigonometric ratios from the values of $\cos x + \cos y$ and $\sin x + \sin y$.
	HM-53	Exercise - 7.6; Problems related to tangent and cotangent, problems related to sine and cosine.
	HM-54	Exercise - 7.7; Sine law of a triangle, law of tangents, problems related to law of tangent.
	HM-55	Exercise - 7.7; Cosine law, related to cosine law of a triangle, perpendicular projection, perpendicular projection related.
Chapter-6 Trigonometric Ratios	HM-43	Exercise - 6; Problems related to mutual conversion of trigonometric ratios and determination of value, Problems related to proof, Problems related to trigonometric identities, Circular function and its domain-range.
	HM-44	Exercise - 6; Graphs of trigonometric functions, graph related problems, period of trigonometric functions, various changes in the graph of trigonometric functions, determination of fundamental period.
Chapter-8 Functions and Graph of Functions	HM-57	Exercise - 8; Sets and their variations, applications, set mapping and Cartesian properties. finitary relations, functions and their identification, clear concept of functions with the help of mapping, domain, range and codomain, role of variables and constants in functions, functions and graphs of functions, Piecewise Function.
	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 $\left(f(x) = \frac{P(x)}{Q(x)}\right)$, n-th root related functions, absolute value related functions, exponential functions ($y = a^x$; $a > 0, a \neq 1$), logarithmic functions,

Biology 1st Paper

Chapter	Lecture	Lecture-based discussion topics
Chapter-4 Microorganisms	B-19	virus: contribution of scientists in the discovery of virus, structure of virus, classification of virus, parasitism of virus, emerging virus, subviral entities, T_2 bacteriophage, COVID-19 Corona virus
	B-20	Lifecycle of virus, importance of virus, viral diseases at a glance, description of some viral diseases

	B-21	Bacteria: Characteristics of bacteria: distribution and habitat of bacteria: types of bacteria, structure of an ideal bacterium
	B-22	Reproduction of bacteria, importance of bacteria, some bacterial diseases
	B-23	Malaria: Infection of malaria, Prevention and control of Malaria, Lifecycle of malarial parasite in human body
	B-24	Lifecycle of Malarial parasite in mosquito, Alternation of generation of malarial parasite
Chapter-6 Bryophyta and Pteridophyta	B-29	Bryophyta: Introduction to Bryophyta, Characteristics of Bryophyta, <i>Riccia</i> : Characteristics of <i>Riccia</i> , External Structure of <i>Riccia</i> , Internal structure of <i>Riccia</i> : Reproduction and alternation of generation of <i>Riccia</i>

Biology 2nd Paper		
Chapter	Lecture	Lecture-based discussion topics
Chapter-2 Animal Identity	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
	Z-12	Sensory organs of grasshopper, Compound eye of grasshopper, Mechanism of vision, process of reproduction, metamorphosis, role of hormone in metamorphosis
	Z-13	Rohu fish, External Structure, Scales, Blood Circulatory system of Rohu fish, Blood, Heart, Blood Vessels (Arterial system of Rohu fish)
	Z-14	Venous system of grasshopper, Respiratory system, Structure of gills, mechanism of respiration, air bladder, Reproduction and lifecycle of Rohu fish
Chapter-4 Human Physiology: Blood and Circulation	Z-19	Blood, Components of blood, Plasma, Blood Corpuscle, Red Blood Corpuscle



দেশব্যাপী **উদ্ভাস-উন্মেষ** এর
শাখাসমূহের বিস্তারিত ঠিকানা
দেখতে **QR** কোডটি স্ক্যান করো

উদ্ভাস-উন্মেষ এর
App ডাউনলোড করতে
QR কোডটি স্ক্যান করো

