HSC 1st Year Academic Program

Prime Batch

Class & Exam Routine (Part-01)

7 June 2024 (Friday) Orientation Class Evening – 7:30 pm		
Date and time	**Live Class (Online Smart Board)**	**Live Exam (Online)**
08 June 2024 (Saturday)	**Live class (P-03+04)** Physics: Chapter- 02	Basic Introductory Exam
09 June 2024 (Sunday)	**Live class (B-01+02)** Botany: Chapter- 01	**Board Standard** Daily Live Exam (P-03+04) **MCQ** (10×1=10); 10 min
10 June 2024 (Monday)	**Live class (C-05+06)** Chemistry: Chapter- 02	**Board Standard** Daily Live Exam (B-01+02) **MCQ** (10×1=10); 10 min
11 June 2024 (Tuesday)	**Live class (HM-11+12)** H.Math: Chapter- 03	**Board Standard** Daily Live Exam (C-05+06) **MCQ** (10×1=10); 10 min
12 June 2024 (Wednesday)	**Live class (HM-13+14)** H.Math: Chapter- 03	**Board Standard** Daily Live Exam (HM-11+12) **MCQ** (10×1=10); 10 min
Online Classes and examinations will be closed from June 13, 2024 (Thursday) to June 22, 2024 (Saturday) on the occasion of Eid-ul-Azha		
23 June 2024 (Sunday)	**Live class (B-03+04)** Botany: Chapter- 01	**Board Standard** Daily Live Exam (HM-13+14) **MCQ** (10×1=10); 10 min
24 June 2024 (Monday)	**Live class (P-05+06)** Physics: Chapter- 02	**Board Standard** Daily Live Exam (B-03+04) **MCQ** (10×1=10); 10 min
25 June 2024 (Tuesday)	**Live class (C-07+08)** Chemistry: Chapter- 02	**Board Standard** Daily Live Exam (P-05+06) **MCQ** (10×1=10); 10 min
26 June 2024 (Wednesday)	**Live class (HM-15+16)** H.Math: Chapter- 03	**Board Standard** Daily Live Exam (C-07+08) **MCQ** (10×1=10); 10 min
27 June 2024 (Thursday)	**Live class (HM-17+18)** H.Math: Chapter- 03	**Board Standard** Daily Live Exam (HM-15+16) **MCQ** (10×1=10); 10 min
30 June 2024 (Sunday)	**Live class (B-05+06)** Botany: Chapter- 01	**Board Standard** Daily Live Exam (HM-17+18) **MCQ** (10×1=10); 10 min
01 July 2024 (Monday)	**Live class (P-07+08)** Physics: Chapter- 02	**Board Standard** Daily Live Exam (B-05+06) **MCQ** (10×1=10); 10 min
02 July 2024 (Tuesday)	**Live class (C-09+10)** Chemistry: Chapter- 02	**Board Standard** Daily Live Exam (P-07+08) **MCQ** (10×1=10); 10 min
03 July 2024 (Wednesday)	**Live class (HM-19+20)** H.Math: Chapter- 03	**Board Standard** Daily Live Exam (C-09+10) **MCQ** (10×1=10); 10 min
04 July 2024 (Thursday)	**Live class (HM-21+22)** H.Math: Chapter- 03	**Board Standard** Daily Live Exam (HM-19+20) **MCQ** (10×1=10); 10 min
06 July 2024 (Saturday)	**Chapter-wise Exam [H.Math 1st Paper Chapter-03] (Part-01); Lecture HM-11 to 16; (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.**	
07 July 2024 (Sunday)	**Live class (B-07+08)** Botany: Chapter- 01	**Board Standard** Daily Live Exam (HM-21+22) **MCQ** (10×1=10); 10 min
08 July 2024 (Monday)	**Live class (P-09+10)** Physics: Chapter- 02	**Board Standard** Daily Live Exam (B-07+08) **MCQ** (10×1=10); 10 min
09 July 2024 (Tuesday)	**Live class (C-11+12)** Chemistry: Chapter- 02	**Board Standard** Daily Live Exam (P-09+10) **MCQ** (10×1=10); 10 min
10 July 2024 (Wednesday)	**Live class (HM-23+24)** H.Math: Chapter- 03	**Board Standard** Daily Live Exam (C-11+12) **MCQ** (10×1=10); 10 min
11 July 2024 (Thursday)	**Live class (C-13+14)** Chemistry: Chapter- 02	**Board Standard** Daily Live Exam (HM-23+24) **MCQ** (10×1=10); 10 min
13 July 2024 (Saturday)	**Chapter-wise Exam [Botany Chapter-01] (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.**	
14 July 2024 (Sunday)	**Live class (Z-01+02)** Zoology: Chapter- 01	**Board Standard** Daily Live Exam (C-13+14) **MCQ** (10×1=10); 10 min
15 July 2024 (Monday)	**Live class (P-11+12)** Physics: Chapter- 02	**Board Standard** Daily Live Exam (Z-01+02) **MCQ** (10×1=10); 10 min
16 July 2024 (Tuesday)	**Live class (C-15+16)** Chemistry: Chapter- 02	**Board Standard** Daily Live Exam (P-11+12) **MCQ** (10×1=10); 10 min
Next Class & Exam Routine (Part-02) will be published…		

Online Classes & Exam Procedure:

* Go to this website **udvash.com** and click on **'Join Now'** menu to give **Live Class & Exam**. **Login** to class **11th academic program Prime Batch** using your admitted registration number to participate in classes and exams.

* The **Daily Live Exam** will run from **09:00 am to 11:00 pm** as per the date mentioned in the routine. A student can participate in the **Live Exam** only once during this period. However, for more practice, students can participate in the **Practice Exam** of the same syllabus multiple times.

HSC 1st Year Academic Program Prime Batch Part-01 Syllabus-2024 (Online)

Physics 1st Paper (Reference Book: UDVASH Parallel Text)		
Chapter	**Chapter**	**Chapter**
Chapter-2 Vector	P-03	Quantity, Scalar quantity and Vector quantity, Expression of Vector Quantity, Different types of Vectors, Addition of Vectors: Resultant.
	P-04	Law of Parallelogram, Determination of the Resultant of Two Vectors, Determination of the Direction of Resultant, Some Special Cases of the Law of Parallelogram.
	P-05	Some Characteristics of Vector Addition, Commutative Law, Associative Law, Distributive Law, Resolution of Vector, Determination of the Resultant of More than Two Vectors.
	P-06	Some Uses of Vector Resolution, Towing a boat, Lawn Roller, Concept of River and Boat.
	P-07	River, and Boat related.
	P-08	Subtraction of Vectors, Relative Velocity.
	P-09	Expression of Relative Velocity, Expression of Vectors in the Cartesian Coordinate System.
	P-10	Addition and Subtraction of Vectors Resolved into Components, Determination of Position Vector, Vector in Three-Dimensional Coordinate System.
	P-11	Multiplication of Vector, Multiplication of Vector Quantity with Scalar Quantity.
	P-12	Dot Multiplication of Vectors, Cross Multiplication of Vectors.

Chemistry 1st Paper (Reference Book: UDVASH Parallel Text)		
Chapter	**Chapter**	**Chapter**
Chapter-2 Qualitative Chemistry Introduction	C-05	Fundamental particles of atoms, introduction, and atomic models- electron, proton and neutrons discussion, atomic mass unit, atomic expression, isotope, isotone, isobar, isoelectronic, isomer.
	C-06	Radioactive isotope and nuclear reaction (Transmutation, fission and fusion), Rutherford's atomic model discussion.
	C-07	Bohr's atomic model discussion, Application of atomic models and Quantum Mechanics-Derivation for v, r, n, E from Bohr's model, Related Math.
	C-08	De Broglie's equation, Heisenberg's uncertainty principle, Schrodinger's wave equation, Related Math.
	C-09	Quantum Number- Principal Quantum number, Subsidiary Quantum Number, Magnetic Quantum Number, Spin Quantum Number
	C-10	Significance of Quantum Number, Orbit and Orbital Discussion, Quantum Subshell shapes and discussion, Calculation of total orbital and electron number.
Chapter-2 Qualitative Chemistry Introduction	C-11	Electronic Configuration- Aufbau Principle, Hund's Rule, Pauli's Exclusion Principle, e^- configuration of compounds and ions, stability of electronic configuration.
	C-12	Electromagnetic spectrum- Discussion, quantities related to radiation, regions of electromagnetic ray, classification of spectrum, identification of compounds using spectrum.
	C-13	spectrum of H atom + Rydberg Discussions, Related Math.
	C-14	Lines of spectrum, Uses of UV in fake money and passport identification, Uses of IR ray in medical science, Use of MRI in diagnosis.
	C-15	Solubility and Solubility Product- Mixture and Solution, Solubility, Factors influencing solubility.
	C-16	solubility product, ionic product, Related Math.

H.Math 1st Paper (Reference Book: UDVASH Parallel Text)		
Chapter	**Chapter**	**Chapter**
Chapter-3 Straight line	HM-11	Exercise – 3.1; Coordinate system and distance between two points, Cartesian coordinate system, Polar coordinate system, transformation of coordinate systems related.
	HM-12	Exercise – 3.1; Distance between two points, Problems relating to the distance between two points.

	HM-13	Exercise – 3.2; Bisector formula, with respect to the coordinates of the internal/external bisector point.
	HM-14	Exercise – 3.2; Parallelogram/Square/Triangle/Circle related, Exercise – 3.3; Area of a polygon, finding area of a triangle by coordinates of vertices of a triangle.
	HM-15	Exercise – 3.3; Displacement parallel to axis, related to finding area, condition of three points being parallel, related to determining the ratio of the bisector of one line by another line.
	HM-16	Exercise – 3.4; Locus, related to determining the equation of locus.
	HM-17	Exercise – 3.5; Slope and equation of a straight line, Problems on Slope and equation of a straight line.
	HM-18	Exercise – 3.5; Relation in terms of two equations pointing to the same straight line, conversion from the general equation of a straight line to an equation of different shapes, intersection of two straight lines.
	HM-19	Exercise – 3.5; Area related, Locus, Exercise – 3.6; The condition that three straight lines are concentric, two parallel straight lines related, Regarding straight lines parallel to a straight line.
	HM-20	Exercise – 3.6; Regarding two straight lines perpendicular to each other, equation of a straight line through the point of intersection of two straight lines.
	HM-21	Exercise – 3.6; Angles included by two straight lines, at different centers.
	HM-22	Exercise – 3.7; Perpendicular distance from a given point to a given straight line, position of the point with respect to the straight line.
	HM-23	Exercise – 3.7; segmentation of the segment joining two points by a line, The perpendicular distance between two parallel straight lines, the equation of the bisector of the angle between two non-parallel straight lines.
	HM-24	Exercise – 3.7; Find the equation of the isosceles of the angle under various conditions, Regarding image.

Botany (Reference Book: UDVASH Parallel Text)		
Chapter	**Chapter**	**Chapter**
Chapter-1 Cell and its Structure	B-01	Cells, endosymbiosis, cell characteristics, cytology, cell theory, cell types, plant cell, cell wall.
	B-02	Protoplast, cell membrane, cytoplasm and organelles, ribosomes.
	B-03	Endoplasmic reticulum, Golgi bodies, lysosomes, mitochondria.
	B-04	Plastid, centriole, cytoskeleton, peroxisome, glyoxysome, vacuole.
	B-05	Nucleus, Cell inclusions, Chromosome.
	B-06	Hereditary material, DNA, RNA.
	B-07	DNA replication, Transcription, Reverse Transcription.
	B-08	Translation, Central Dogma of Biology, Gene, Genetic Code.

Zoology (Reference Book: UDVASH Parallel Text)		
Chapter	**Lecture**	**Syllabus**
Chapter-1 Animal diversity and Classification	Z-01	Animal diversity: Types, Animal classification: Basis and principles of Animal classification.
	Z-02	Nomenclature of Animals, codes of Nomenclature of Animals, Major phylums of animal kingdom: Non-chordates.

For any information regarding the online program contact the following numbers

Netrokona- 01713-236767**, Jamalpur**-01713-236740, **Sherpur**-01713-236749, **Tangail**-01713-236737, **Sirajganj**-01713-236742, **Bogura**-01713-236727

Gaibandha-01713-236755, **Rangpur (Medical Mor)**-01713-236726, **Rangpur (Khamar Mor)**-01713-236783, **Kurigram**-01713-236753

Lalmonirhat-01713-236777, **Saidpur**-01713-236741, **Dinajpur**-01713-236733, **Thakurgaon**-01713-236748, **Panchagarh-**01713-236778

Joypurhat-01713-236754, **Naogaon**-01713-236756, **Chapainawabganj**-01713-236747, **Rajshahi**-01713-236713, **Natore**-01713-236751

Pabna-01713-236736, **Kushtia**-01713-236735, **Meherpur**-01313-368670, **Chuadanga**-01713236764, **Jhenaidah**-01713-23676, **Magura**-01713-236752

Jashore-01713-236731, **Narail**-01713-236788, **Khulna**- 01713-236715, **Satkhira**- 01713-236750**, Pirajpur**-01713-236790, **Bhola**-01713-236791

Barishal-01713-236730**, Patukhali-**01713-236784, **Shariatpur-**01713-236782, **Gopalganj**-01713-236760, **Faridpur**-01713-236732

Rajbari-01713-236786**Manikganj**-01713-236763 **Munshiganj**-01713-236762**, Brahmanbaria**- 01713-236743, **Narsingdi**-01713-236738

Cumilla-01713-236728, **Chandpur**-01713-236765, **Noakhali**-01713-236745**, Feni**-01713-236744, **Cox's Bazar**-01713-236766

Chittagong (**Chawkbazar**)-01713-236714, **Chittagong (Halisahar)**-01713-236758 **Sylhet**-01713-236729, **Habiganj-**01713-236773

Moulvibazar-01713-23678, **Sunamganj-**01713-236779.