

UdVash Academic and Admission care

Class 11 Academic Program-2023 (Online)

Science (English version)

<ul style="list-style-type: none"> * Physics, Chemistry, H.Math and Biology. These 4 Subjects will be taught according to the full syllabus of class Eleven. * Live Class will be held 5 days a week (Sun-Thursday) through Zoom App. * Total Class - 112, Total Lectures - 224, (Double lecture classes will be held every day). * Total number of exams - Daily Live Exam - 112, Daily Practice Exam -112, Chapter Wise Live Exam - 37. * Multi-color pdf class notes of each online class will be provided. * Video replay of each online class will be stored on the students' ID till the board exam. 	<ul style="list-style-type: none"> * Round the clock Q & A service will be provided by expert teacher panel. * Chapter wise Parallel text of each subject will be provided free. * Daily MCQ Live & Practice Exam (Online) on previous day's class. * Chapter-wise Live CQ+MCQ Exam (Online + In branch) at the end of each chapter. * Central Assessment of Creative Answer Papers. * Analysis report of each exam and results on Auto SMS. * Course Fee 32,000/- (Tk. Thirty-two thousand only). * Admission can be possible by coming directly to the branch or through online payment. * Website - www.udvash.com, Helpline - 09666775566
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Online Live Class (Ramadan Schedule)	English Version: 2.30pm	Online Live exam Schedule	From 10:00 am to 10:00 pm
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Online Class & Exam Routine (Part-02)

Date & Day	Live Class (According to the Batch time of the Enrolled Students)	Live Exam (10 am to 10pm)
10.04.23 (Monday)	Live Class (P-16) Physics: Chapter-01	Daily Live Exam (Z-08+09) MCQ (10×1=10) ; 10 min.
	Chapter-wise Exam [Physics Chapter-03] (CQ 2×10=20); Time: 50min & (MCQ 10×1=10); Time: 10min.	
11.04.23 (Tuesday)	Live Class (C-16) Chemistry: Chapter-03	Daily Live Exam (P-16) MCQ (10×1=10) ; 10 min.
	Chapter-wise Exam [Chemistry Chapter-01] (CQ 2×10=20); Time: 50min & (MCQ 10×1=10); Time: 10min.	
12.04.23 (Wednesday)	Live Class (HM-14) H.Math: Chapter-07	Daily Live Exam (C-16) MCQ (10×1=10) ; 10 min.
	Chapter-wise Exam [H.Math Chapter-06] (CQ 2×10=20); Time: 50min & (MCQ 10×1=10); Time: 10min.	
13.04.23 (Thursday)	Live Class (P-17+18) Physics: Chapter-01	Daily Live Exam (HM-14) MCQ (10×1=10) ; 10 min.
16.04.23 (Sunday)	Live Class (B-10) Botany: Chapter-03	Daily Live Exam (P-17+18) MCQ (10×1=10) ; 10 min.
	Chapter-wise Exam [Zoology Chapter-03] (CQ 2×10=20); Time: 50min & (MCQ 10×1=10); Time: 10min.	
17.04.23 (Monday)	Live Class (P-19) Physics: Chapter-04	Daily Live Exam (B-10) MCQ (10×1=10) ; 10 min.
	Chapter-wise Exam [Physics Chapter-01] (CQ 2×10=20); Time: 50min & (MCQ 10×1=10); Time: 10min.	
18.04.23 (Tuesday) to 29.04.23 (Saturday) Online classes and exams will be closed on the occasion of Shab-e-Qadr & Eid-ul-Fitr.		

Online Live Class Schedule (Smart Board)	English Version: 3.00pm	Online Live exam Schedule	From 10:00 am to 10:00 pm
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Date & Day	Live Class (According to the Batch time of the Enrolled Students)	Live Exam (10 am to 10pm)
30.04.23 (Sunday)	Live Class (B-11+12) Botany: Chapter-03	Daily Live Exam (P-19) MCQ (10×1=10) ; 10 min.
01.05.23 (Monday)	Live Class (P-20+21) Physics: Chapter-04	Daily Live Exam (B-11+12) MCQ (10×1=10) ; 10 min.
02.05.23 (Tuesday)	Live Class (C-17+18) Chemistry: Chapter-03	Daily Live Exam (P-20+21) MCQ (10×1=10) ; 10 min.
03.05.23 (Wednesday)	Live Class (HM-15+16) H.Math: Chapter-07	Daily Live Exam (C-17+18) MCQ (10×1=10) ; 10 min.
04.05.23 (Thursday)	Live Class (HM-17+18) H.Math: Chapter-07	Daily Live Exam (HM-15+16) MCQ (10×1=10) ; 10 min.
07.05.23 (Sunday)	Live Class (B-13+14) Botany: Chapter-03	Daily Live Exam (HM-17+18) MCQ (10×1=10) ; 10 min.
08.05.23 (Monday)	Live Class (P-22+23) Physics: Chapter-04	Daily Live Exam (B-13+14) MCQ (10×1=10) ; 10 min.
09.05.23 (Tuesday)	Live Class (C-19+20) Chemistry: Chapter-03	Daily Live Exam (P-22+23) MCQ (10×1=10) ; 10 min.
10.05.23 (Wednesday)	Live Class (HM-19+20) H.Math: Chapter-07	Daily Live Exam (C-19+20) MCQ (10×1=10) ; 10 min.
11.05.23 (Thursday)	Live Class (P-24+25) Physics: Chapter-04	Daily Live Exam (HM-19+20) MCQ (10×1=10) ; 10 min.
	Live Class (B-15) Botany: Chapter-04	Daily Live Exam (P-24+25) MCQ (10×1=10) ; 10 min.
14.05.23 (Sunday)	Chapter-wise Exam [Botany Chapter-03] (CQ 2×10=20); Time: 50min & (MCQ 10×1=10); Time: 10min.	
15.05.23 (Monday)	Live Class (P-26+27) Physics: Chapter-04	Daily Live Exam (B-15) MCQ (10×1=10) ; 10 min.
16.05.23 (Tuesday)	Live Class (C-21+22) Chemistry: Chapter-03	Daily Live Exam (P-26+27) MCQ (10×1=10) ; 10 min.
17.05.23 (Wednesday)	Live Class (HM-21+22) H.Math: Chapter-07	Daily Live Exam (C-21+22) MCQ (10×1=10) ; 10 min.
18.05.23 (Thursday)	Live Class (HM-23+24) H.Math: Chapter-07	Daily Live Exam (HM-21+22) MCQ (10×1=10) ; 10 min.
21.05.23 (Sunday)	Live Class (B-16+17) Botany: Chapter-04	Daily Live Exam (HM-23+24) MCQ (10×1=10) ; 10 min.
	Live Class (P-28) Physics: Chapter-05	Daily Live Exam (B-16+17) MCQ (10×1=10) ; 10 min.
22.05.23 (Monday)	Chapter-wise Exam [Physics Chapter-04] (CQ 2×10=20); Time: 50min & (MCQ 10×1=10); Time: 10min.	
23.05.23 (Tuesday)	Live Class (C-23+24) Chemistry: Chapter-03	Daily Live Exam (P-28) MCQ (10×1=10) ; 10 min.
24.05.23 (Wednesday)	Live Class (B-18+19) Botany: Chapter-04	Daily Live Exam (C-23+24) MCQ (10×1=10) ; 10 min.
25.05.23 (Thursday)	Live Class (HM-25+26) H.Math: Chapter-07	Daily Live Exam (B-18+19) MCQ (10×1=10) ; 10 min.
28.05.23 (Sunday)	Live Class (Z-10) Zoology: Chapter-02	Daily Live Exam (HM-25+26) MCQ (10×1=10) ; 10 min.
	Chapter-wise Exam [Botany Chapter-04] (CQ 2×10=20); Time: 50min & (MCQ 10×1=10); Time: 10min.	
29.05.23 (Monday)	Live Class (P-29+30) Physics: Chapter-05	Daily Live Exam (Z-10) MCQ (10×1=10) ; 10 min.
30.05.23 (Tuesday)	Live Class (Z-11+12) Zoology: Chapter-02	Daily Live Exam (P-29+30) MCQ (10×1=10) ; 10 min.
31.05.23 (Wednesday)	Live Class (HM-27) H.Math: Chapter-03	Daily Live Exam (Z-11+12) MCQ (10×1=10) ; 10 min.
	Chapter-wise Exam [H.Math Chapter-07] (CQ 2×10=20); Time: 50min & (MCQ 10×1=10); Time: 10min.	
01.06.23 (Thursday)	Live Class (HM-28+29) H.Math: Chapter-03	Daily Live Exam (HM-27) MCQ (10×1=10) ; 10 min.
04.06.23 (Sunday)	Live Class (Z-13+14) Zoology: Chapter-02	Daily Live Exam (HM-28+29) MCQ (10×1=10) ; 10 min.
05.06.23 (Monday)	Live Class (P-31+32) Physics: Chapter-05	Daily Live Exam (Z-13+14) MCQ (10×1=10) ; 10 min.

06.06.23 (Tuesday)	Live Class (Z-15+16) Zoology: Chapter-02	Daily Live Exam (P-31+32) MCQ (10×1=10); 10 min.
07.06.23 (Wednesday)	Live Class (HM-30+31) H.Math: Chapter-03	Daily Live Exam (Z-15+16) MCQ (10×1=10); 10 min.
08.06.23 (Thursday)	Live Class (HM-32+33) H.Math: Chapter-03	Daily Live Exam (HM-30+31) MCQ (10×1=10); 10 min.
11.06.23 (Sunday)	Live Class (HM-34+35) H.Math: Chapter-03	Daily Live Exam (HM-32+33) MCQ (10×1=10); 10 min.
12.06.23 (Monday)	Live Class (P-33+34) Physics: Chapter-05	Daily Live Exam (HM-34+35) MCQ (10×1=10); 10 min.
13.06.23 (Tuesday)	Live Class (Z-17+18) Zoology: Chapter-02	Daily Live Exam (P-33+34) MCQ (10×1=10); 10 min.
14.06.23 (Wednesday)	Live Class (HM-36+37) H.Math: Chapter-03	Daily Live Exam (Z-17+18) MCQ (10×1=10); 10 min.
15.06.23 (Thursday)	Live Class (HM-38+39) H.Math: Chapter-03	Daily Live Exam (HM-36+37) MCQ (10×1=10); 10 min.
18.06.23 (Sunday)	Live Class (Z-19) Zoology: Chapter-04	Daily Live Exam (HM-38+39) MCQ (10×1=10); 10 min.
Chapter-wise Exam [Zoology Chapter-02] (CQ 2×10=20); Time: 50min & (MCQ 10×1=10); Time: 10min.		
19.06.23 (Monday)	Live Class (Z-20+21) Zoology: Chapter-04	Daily Live Exam (Z-19) MCQ (10×1=10); 10 min.
20.06.23 (Tuesday)	Live Class (Z-22+23) Zoology: Chapter-04	Daily Live Exam (Z-20+21) MCQ (10×1=10); 10 min.
21.06.23 (Wednesday)	Live Class (HM-40+41) H.Math: Chapter-03	Daily Live Exam (Z-22+23) MCQ (10×1=10); 10 min.
22.06.23 (Thursday)	Live Class (Z-24+25) Zoology: Chapter-04	Daily Live Exam (HM-40+41) MCQ (10×1=10); 10 min.

Next Class and Exam Routine (Part-03) will be released...

Online Classes & Exam Procedure:

- * **Live Class** will be held through **Zoom App**. Therefore, every student is requested to **install Zoom App** on his/her mobile/laptop/desktop in advance.
- * Go to this website **udvash.com** and click on '**Join Now**' menu to give **Live Class & Exam**. Login to class **11th academic program** using your admitted registration number to participate in classes and exams.
- * The **Daily Live Exam** will run from **10:00 am to 10:00 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.

Class 11 Academic Program Part-02 Syllabus-2023 (Online)

Physics 1 st Paper (Reference Book: UDVASH Parallel Text)			
Chapter	Class	Lecture	Syllabus
Chapter-1 Physical World and Measurement	Day-09	P-16	Scope of Physics, Physics and Other Branches of Science, Evolution of Physics, Definition of concepts, formulae, postulates and theories of Physics.
		Chapter-wise Exam [Physics Chapter-03] (CQ 2×10=20); Time: 50min & (MCQ 10×1=10); Time: 10min.	
	Day-10	P-17	Measurement, Unit, Dimension, Equation of Dimension, Principle of Homogeneity, Unit conversion of physical quantities, Limitations of dimensional equations, Error, Instrumental Errors, Observational Errors, Random Errors, Systematic Errors, Least Count Error, Calculation of Error, Accuracy and Precision, Significant Figures.
P-18		Some instruments of measurement, Vernier Scale, Slide Callipers, Screw Gauge, Spherometer, Scale Balance, All Important Formulae at a Glance, Mathematical Problems.	
Chapter-4 Newtonian Mechanics	Day-11	P-19	Primary concep of Force, Newtonian Mechanics, Newton's first Law of motion, Inertia of rest and motion, Intuitive Idea of Force, General Characteristics of Force, Types of Force, Fundamental forces, Gravitational Force, Electromagnetic Force, Strong Nuclear force, Weak Nuclear force.
		Chapter-wise Exam [Physics Chapter-01] (CQ 2×10=20); Time: 50min & (MCQ 10×1=10); Time: 10min.	
	Day-12	P-20	Momentum, Newton's second law of motion, Equilibrium of Forces.
		P-21	Newton's third law of motion, System, External and Internal Force, Types of forces, Gravitational Force, Normal Force, Weight, Tension, Friction, Friction angle, Static Angle.
	Day-13	P-22	Conservation of momentum, Vector format of Conservation of momentum, Collision, Quantities of One dimensional collision.
		P-23	Center of mass, Impulse, Application of Newton's forces, standing of the ground, Walking, Running horse cart, Pulling Boat, Motion of Rocket.
	Day-14	P-24	Relation between Newton's Laws, Uniform Circular motion, Centripetal force, Centrifugal force, Banking on roads.
		P-25	Rotational inertia: Moment of inertia, Radius of gyration, Perpendicular Axis theorem, Parallel axis theorem.
	Day-15	P-26	Torque, equations of torque, Vector format of torque, Torque and angular acceleration.
		P-27	Angular momentum, Equivalent way of measuring angular momentum, angular momentum of circular motion, relation between torque and angular momentum, Newton's law of angular motion, Important formulas together, Important practise problems, Mathematical Problems.
Chapter-5 Work, energy, and power	Day-16	P-28	Work, Positive, negative and zero work, Constant force and changing force, Work done for constant force, Work done for changing force.
		Chapter-wise Exam [Physics Chapter-04] (CQ 2×10=20); Time: 50min & (MCQ 10×1=10); Time: 10min.	
	Day-17	P-29	Spring force, Work done for rotation.
		P-30	Dependancy of work done on path, Kinetic Energy and Work-Energy theorem, Kinetic energy of rotating body, Kinetic energy rotating and spinning body.
	Day-18	P-31	Conservative force, Non-conservative force, Potential energy, Gravitational potential energy, Elastic potential energy, Relation between force and potential energy.
		P-32	Work done and change of mechanical energy, Conservation of mechanical energy, Conservation of energy.
	Day-19	P-33	Power, Efficiency, Mathematical Problems.
P-34		Displacement of center of mass, Well and reservoir related problems.	

Chemistry 1 st Paper (Reference Book: UDVASH Parallel Text)			
Chapter	Class	Lecture	Syllabus
Chapter-3 Periodic table of	Day-09	C-16	History, idea and significance of periodic table, Classification of elements based on e ⁻ configuration, Block elements (s, p, d, f) characteristics.
		Chapter-wise Exam [Chemistry Chapter-01] (CQ 2×10=20); Time: 50min & (MCQ 10×1=10); Time: 10min.	

elements and chemical bonds	Day-10	C-17	Chemical properties of block elements (Chemical properties of s block elements, Chemical properties of p block elements, Chemical properties of d block elements, Characteristics of transition element, Chemical properties of f block elements).
		C-18	Periodic properties- atomic size, Ionization energy, e^- affinity.
	Day-11	C-19	Electronegativity, Melting point/ Boiling point, Acidity/Basicity of oxides.
		C-20	Chemical Bonds- Ionic bond, Metallic bond, Covalent bond, Classification of covalent bond, Orbital overlapping.
	Day-12	C-21	Hybridization, Classification of Hybrid orbitals, Determination of Hybridization state of central atom.
		C-22	Relation between Shapes of covalent compounds and hybrid orbitals, Effect of lone pair electrons on Molecular shapes, Ligand, Coordinate covalent bond.
	Day-13	C-23	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-24	Weak chemical bonds- Vander Waals force, H bond, Importance of H bond, Naming of inorganic compounds.

Higher Math 1st Paper (Reference Book: **UDVASH** Parallel Text)

Chapter	Class	Lecture	Syllabus
Chapter-7 Trigonometric Ratios of Associated & Compound Angles	Day-08	HM-14	Exercise -7.1 θ or Trigonometric ratio of positive acute angle: $(-\theta)$ or Trigonometric ratio of negative angle: $(90^\circ - \theta)$, i.e. Trigonometric ratio of θ angle: Co-function: $(90^\circ + \theta)$, $(180^\circ - \theta)$, $(180^\circ + \theta)$, $(270^\circ - \theta)$, $(270^\circ + \theta)$ are the trigonometric ratios of the angles. Essential Formulas at a Glance: Trigonometric Equations and Problems involving Associated Angles, Sum of Squares of Trigonometric Ratios and Problems.
		Chapter-wise Exam [H.Math Chapter-06] (CQ 2×10=20); Time: 50min & (MCQ 10×1=10); Time: 10min.	
	Day-09	HM-15	Properties and problems of tangent or cotangent ratios, determination of values and problems using various trigonometric formulae.
		HM-16	Exercise-7.2 Trigonometric Proportions of Compound Angles, A and B are positive acute angles where $A > B$, Type-01: Problems on Trigonometric ratios, Type- 02: Formulas and Problems on $A \pm B$.
	Day-10	HM-17	Type- 03: Expansion related problem, Type-04: $\frac{\cos A \pm \sin A}{\cos A \mp \sin A}$ formula related problems, Type-05: $A + B = \text{constant}$ related problems.
		HM-18	Type- 06: Determination of maximum/minimum values of trigonometric expressions, Exercise- 7.3, Type-01: Formulas and problems related to $\sin(A + B) \pm \sin(A - B)$ or $\cos(A + B) \pm \cos(A - B)$.
	Day-11	HM-19	Type-02: $\text{TF}_1\text{C} \pm \text{TF}_2\text{D}$ related problems, Type-03: $\sin A + \cos A$ related problems.
		HM-20	Exercise 7.4 Trigonometric Ratios of Multiple Angles, Type-01: Formulas and Problems related to Trigonometric Ratios of Angles 2A, Type-02: Series (Arithmetic and Geometric series) and Problems.
	Day-12	HM-21	Type-03: Periodic Square Roots related and Problems, Type-04: Problems related to Trigonometric Ratios of 3A Angles, Type-05: Trigonometric Ratios of Certain Angles.
		HM-22	Exercise-7.5 Type- 01: Formulas and problems related to proof, problems related to determination of values of various trigonometric ratios from values of $\cos x + \cos y$ and $\sin x + \sin y$.
	Day-13	HM-23	Exercise-7.6 Type-01: problems related to tangent and cotangent, Type-02: related to sine and cosine.
		HM-24	Exercise -7.7 sine rule, Type-1 related to sine rule of triangle, tangent rule or Napier's formula, Type-2: Tangent related problems.
	Day-14	HM-25	Cosine rule, Type-3: Cosine rule of triangle, Projection rule, Type-4: Perpendicular projection, Type-5: Projection, Trigonometric ratios and formulas of half-angles of triangles.
		HM-26	Area of Triangle, Relationship between Inradius and Circumference: Type-6: Area, Type-7: Determining nature of triangle subject to conditions, Type-8: Others.
Chapter-3 Straight line	Day-15	HM-27	Coordinate system and distance between two points, Cartesian coordinate system, Polar coordinate system, transformation of coordinate systems.
		Chapter-wise Exam [H.Math Chapter-07] (CQ 2×10=20); Time: 50min & (MCQ 10×1=10); Time: 10min.	
	Day-16	HM-28	Distance between two points, problems relating to the distance between two points.
		HM-29	Bisector formula, with respect to the coordinates of the internal/external bisector point.
	Day-17	HM-30	Parallelogram/Square/Triangle/Circle related.
		HM-31	Area of a polygon, finding area of a triangle by coordinates of vertices of a triangle, displacement parallel to axis, related to finding area.
	Day-18	HM-32	Condition of three points being parallel, related to determining the ratio of bisector of one line by another line, locus, related to determining the equation of locus.
		HM-33	Slope and equation of a straight line, slope of a straight line, equation of a straight line.
	Day-19	HM-34	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, area related.
		HM-35	Locus, the condition that three straight lines are concentric, two parallel straight lines related.
	Day-20	HM-36	Regarding straight lines parallel to a straight line, regarding two straight lines perpendicular to each other, determining the distance from an external point to another straight line perpendicular and parallel to a straight line, equation of a straight line through the point of intersection of two straight lines.
		HM-37	Angles included by two straight lines, at different centers.
	Day-21	HM-38	Perpendicular distance from a given point to a given straight line, position of the point with respect to the straight line, segmentation of the segment joining two points by a line.
		HM-39	The perpendicular distance between two parallel straight lines is the equation of the bisector of the angle between two non-parallel straight lines.
Day-22	HM-40	Given two vertices of a square, find the third and fourth vertices, find the equation of the isosceles of the angle under various conditions.	
	HM-41	Regarding image, the image of a straight line relative to a straight line	

Botany (Reference Book: UDVASH Parallel Text)			
Chapter	Class	Lecture	Syllabus
Chapter-3 Cell Chemistry	Day-06	B-10	Carbohydrate, classification of carbohydrate, up to disaccharide.
		Chapter-wise Exam [Zoology Chapter-03] (CQ 2×10=20); Time: 50min & (MCQ 10×1=10); Time: 10min.	
	Day-07	B-11	Rest of the carbohydrate (oligosaccharide, polysaccharide).
		B-12	Amino acid, classification of amino acid, protein, classification of protein, role of protein in living organism, nutritional value of protein.
	Day-08	B-13	Lipid, classification of lipid, function of lipid.
B-14		Enzyme, prosthetic group: (Cofactor, coenzyme), application of enzyme.	
Chapter-4 Microbes	Day-09	B-15	Virus, characteristics of virus, chemical structure, classification, structure of TMV, T ₂ bacteriophage, novel corona virus.
		Chapter-wise Exam [Botany Chapter-03] (CQ 2×10=20); Time: 50min & (MCQ 10×1=10); Time: 10min.	
	Day-10	B-16	Replication of virus, economic importance of virus, viral diseases.
		B-17	Bacteria, characteristics of bacteria, classification, structure of an ideal bacteria.
	Day-11	B-18	Reproduction of bacteria, benefits of bacteria, disadvantages of bacteria, bacterial diseases.
B-19		Malarial parasite, life cycle of malarial parasite, life cycle in human, gametogony, sporogony, alteration of generation in malarial parasite, transmission of malaria, prevention and control of malaria.	

Zoology (Reference Book: UDVASH Parallel Text)			
Chapter	Class	Lecture	Syllabus
Chapter-2 Introduction to Animals	Day-06	Z-10	Hydra, External structure, Internal structure, Layers and Cells of the body wall, Cells of epidermis, structure of an ideal cnidocyte, Types of nematocyst, Mechanism of action of nematocyst.
		Chapter-wise Exam [Botany Chapter-04] (CQ 2×10=20); Time: 50min & (MCQ 10×1=10); Time: 10min.	
	Day-07	Z-11	Cells of gastrodermis, Mesoglea, coelenteron, Feeding mechanism and digestion process of hydra, locomotion of hydra.
		Z-12	Reproduction of hydra, Regeneration of hydra, Division of labour in hydra, Symbiosis in hydra.
	Day-08	Z-13	Grasshopper, external morphology of hydra, Tagmatization of grasshopper, mouthparts of grasshopper.
		Z-14	Digestive system of grasshopper, feeding process and digestion.
	Day-09	Z-15	Circulatory system of grasshopper, respiratory system, excretory system.
		Z-16	Sensory organs of grasshopper, Compound eye, mechanism of vision, reproduction, metamorphosis.
	Day-10	Z-17	Labeo rohita, external morphology, scales, circulatory system, heart, arterial system.
		Z-18	venous system of Labeo rohita, respiratory system, structure of gill, mechanism of respiration, swim bladder, reproduction, Life cycle.
Chapter-4 Human Anatomy: Blood and Circulation	Day-11	Z-19	Blood. components, plasma, blood corpuscles, RBC/erythrocyte.
		Chapter-wise Exam [Zoology Chapter-02] (CQ 2×10=20); Time: 50min & (MCQ 10×1=10); Time: 10min.	
	Day-12	Z-20	WBC/leukocyte, types of WBC, platelet.
		Z-21	mechanism of blood clotting, lymph, lymphatic system, blood vessels, types of blood vessels.
	Day-13	Z-22	Human heart (position, shape and size, covering), structure of cardiac muscle, compartments of heart, valves of heart, circulation of blood through heart.
Z-23		Cardiac cycle, myogenic control of heart, conduction of signal through junctional tissues.	
Day-14	Z-24	Blood pressure, Baroreceptor, types of Circulation (systemic, pulmonary, portal, coronary).	
	Z-25	cardiovascular disease, angina, heart attack, heart failure, treatment of heart diseases, pacemaker, open heart surgery, coronary bypass surgery.	

For any information regarding the online program contact the following numbers

Dhaka Branches: Mirpur-01713-236705, Rupnagar-01713-236734, Cantonment-01713-236724, Uttara-01713-236707, Mohammadpur-01713-236701
 Science Lab.-01713-236706, Farmgate-01713-236711, Azimpur-01713-236725, Shantinagar-0367813, Malibagh-01713-236702, Motijheel-01713-236908
 Basabo-01713-236722, Banshri-01713-236723, Laxmibazar-01713-236720, Jatrabari-01713-236719, Dania-01713-236718, Savar-01713-2316217
 Gazipur-01713-2346217, Narayanganj-01713-236717, Konapara-01713-236757, Tongi-01713-236759, Bakshibazar-01713-236712, Khilgaon-01713-236768.

Branches outside Dhaka: Mymensingh-01713-236716, Kishoreganj-01713-236739, Jamalpur-01713-236740, Sherpur-01713-236749, Tangail-01713-236737
 Pabna-01713-236736, Sirajganj-01713-2367046732, Rangpur-01713-2367042-2631, Kurigram-01713-236753, Gaibandha-01713-236755, Saidpur-01713-236741
 Bogra-01713-236727, Joypurhat-01713-236754, Dinajpur-01713-236733, Thakurgaon-01713-236748, Rajshahi-01713-236713, Naogaon-01713-236756
 Natore-01713-236751, Chapainawabganj-01713-236747, Kushtia-01713-236735, Faridpur-01713-236732, Magura-01713-236752, Jessore-01713-236731
 Khulna-01713-236715, Satkhira-01713-236750, Barisal-01713-236730, Sylhet-01713-236729, Brahmanbaria-01713-236743, Narsingdi-01713-236738
 Comilla-01713-236728, Noakhali-01713-236745, Feni-01713-236744, Gopalganj-01713-236760, Jhenaidah-01713-236761, Munshiganj-01713-236762
 Chittagong (Chawkbazar)-01713-236714, Chittagong (Halisahar)-01713-236758, Manikganj-01713-236763, Chuadanga-01713-236764, Chandpur-01713-236765
 Cox's Bazar-01713-236766, Netrokona-01713-236767, Mymensingh (KB)-01713-236769 Online classes a