HSC 2nd Year Academic Program

Progressive Batch

Class & Exam Routine

(Part-02)

	Live Class		Online: From 9:00am to 11:00pm	
Date & Day	English Version – 3:00pm	Live Exam	Offline: From 9:00am to 5:00pm	
17 October 2024 (Thursday)	Live Class (P-21+22) Physics: Chapter - 07	Daily Live Exam (HM-31+32	e) MCQ (10×1=10); 10 min.	
18 October 2024 (Friday)	Chapter-wise Exam [Botany Chapter-09] (CQ 2×10=	20); Time: 50min & (<mark>Pre-Admiss</mark>	ion MCQ 10×1=10); Time: 10min.	
19 October 2024 (Saturday)	Live Class (HM-15+16) H.Math: Chapter - 06	Daily Live Exam (P-21+22) I	MCQ (10×1=10); 10 min.	
20 October 2024 (Sunday)	Live Class (HM-17+18) H.Math: Chapter - 06	Daily Live Exam (HM-15+16) MCQ (10×1=10); 10 min.	
21 October 2024 (Monday)	Live Class (C-35+36) Chemistry: Chapter - 03	Daily Live Exam (HM-17+18) MCQ (10×1=10); 10 min.	
22 October 2024 (Tuesday)	Live Class (Z-33+34) Zoology: Chapter – 11	Daily Live Exam (C-35+36)	MCQ (10×1=10); 10 min.	
23 October (Wednesday)	Live Class (P-23+24) Physics: Chapter - 07	Daily Live Exam (Z-33+34)	MCQ (10×1=10); 10 min.	
24 October 2024 (Thursday)	Live Class (P-25+26) Physics: Chapter - 07	Daily Live Exam (P-23+24)	MCQ (10×1=10); 10 min.	
25 October 2024 (Friday)	Chapter-wise Exam [H.Math 2nd Paper Chapter-07]	(CQ 2×10=20); Time: 50min & (P	Pre-Admission MCQ 10×1=10); Time: 10min.	
26 October 2024 (Saturday)	Live Class (HM <mark>-19+20)</mark> H.Math: Chapter - 06	Daily Live Exam (P-25+26)	MCQ (10×1=10); 10 min.	
27 October 2024 (Sunday)	Live Class (HM-21+22) H.Math: Chapter - 06	Daily Live Exam (HM-19+20)) MCQ (10×1=10); 10 min.	
	Live Class (C <mark>-37+38)</mark> Chemistry: Chapter - 03	Daily Live Exam (HM-21+22	e) MCQ (10×1=10); 10 min.	
28 October 2024 (Monday)	Chapter-wise Exam [Physics 2nd Paper Chapter-07] (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.			
29 October 2024 (Tuesday)	Live Class (Z<mark>-35+36)</mark> Zoology: Chapter – 11	Daily Live Exam (C-37+38)	MCQ (10×1=10); 10 min.	
30 October (Wednesday)	Live Class (P-27+28) Physics: Chapter - 08	Daily Live Exam (Z-35+36)	MCQ (10×1=10); 10 min.	
31 October 2024 (Thursday)	Live Class (P-29+30) Physics: Chapter - 08	Daily Live Exam (P-27+28)	MCQ (10×1=10); 10 min.	
01 November 200 4 (5-1 dow)	Chapter-wise Exam [Chemistry 2nd Paper Chapter-	03] (Part-01); Lecture C-35 to 3	7; (CQ 2×10=20); Time: 50min &	
01 November 2024 (Friday)	(Pre-Admission MCQ 10×1=10); Time: 10min.			
02 November 2024 (Saturday)	Live Class (HM-23+24) H.Math: Chapter - 06	Daily Live Exam (P-29+30)	MCQ (10×1=10); 10 min.	
03 November 2024 (Sunday)	Live Class (HM-33+34) H.Math: Chapter - 08	Daily Live Exam (HM-23+24	4) MCQ (10×1=10); 10 min.	
04 November 2024 (Monday)	Live Class (C-39+40) Chemistry: Chapter - 03	Daily Live Exam (HM-33+34	4) MCQ (10×1=10); 10 min.	
05 November 2024 (Tuesday)	Live Class (Z-37+38) Zoology: Chapter – 11	Daily Live Exam (C-39+40)	MCQ (10×1=10); 10 min.	
06 November (Wednesday)	Live Class (HM-35+36) H.Math: Chapter - 08	Daily Live Exam (Z-37+38)	MCQ (10×1=10); 10 min.	
07 November 2024 (Thursday)	Live Class (P-31+32) Physics: Chapter - 08	Daily Live Exam (HM-35+36	6) MCQ (10×1=10); 10 min.	
08 November 2024 (Friday)	Chapter-wise Exam [H.Math 2nd Paper Chapter-06]	(CQ 2×10=20); Time: 50min & (F	Pre-Admission MCQ 10×1=10); Time: 10min.	
09 November 2024 (Saturday)	Live Class (HM-37+38) H.Math: Chapter - 08	Daily Live Exam (P-31+32)	MCQ (10×1=10); 10 min.	
10 November 2024 (Sunday)	Live Class (HM-39+40) H.Math: Chapter - 08	Daily Live Exam (HM-37+38	3) MCQ (10×1=10); 10 min.	
11 November 2024 (Monday)	Live Class (C-41+42) Chemistry: Chapter - 03	Daily Live Exam (HM-39+4	0) MCQ (10×1=10); 10 min.	
11 November 2024 (Honoby)	Chapter-wise Exam [Zoology Chapter-11] (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.			
12 November 2024 (Tuesday)	Live Class (B-33+34) Botany: Chapter – 11	Daily Live Exam (C-41+42)	MCQ (10×1=10); 10 min.	
13 November (Wednesday)	Live Class (HM-41+42) H.Math: Chapter - 08	Daily Live Exam (B-33+34)	MCQ (10×1=10); 10 min.	
14 November 2024 (Thursday)	Live Class (P-33+34) Physics: Chapter - 09	Daily Live Exam (HM-41+42	2) MCQ (10×1=10); 10 min.	
15 November 2024 (Friday)	Chapter-wise Exam [Physics 2nd Paper Chapter-08]] (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.	
16 November 2024 (Saturday)	Live Class (HM-43+44) H.Math: Chapter - 09	Daily Live Exam (P-33+34)	MCQ (10×1=10); 10 min.	
17 November 2024 (Sunday)	Live Class (HM-45+46) H.Math: Chapter - 09	Daily Live Exam (HM-43+4-	4) MCQ (10×1=10); 10 min.	
	Live Class (C-43+44) Chemistry: Chapter - 04	Daily Live Exam (HM-45+4	6) MCQ (10×1=10); 10 min.	
18 November 2024 (Monday)	Chapter-wise Exam [Chemistry 2nd Paper Chapter-03] (Part-02); Lecture C-38 to 42; (CQ 2×10=20); Time: 50min &			
	(Pre-Admission MCQ 10×1=10); Time: 10min.			
19 November 2024 (Tuesday)	Live Class (B-35+36) Botany: Chapter – 11	Daily Live Exam (C-43+44)	MCQ (10×1=10); 10 min.	
20 November (Wednesday)	Live Class (P-35+36) Physics: Chapter - 10	Daily Live Exam (B-35+36)	MCQ (10×1=10); 10 min.	

21 November 2024 (Thursday)	Live Class (P-37+38) Physics: Chapter - 10	Daily Live Exam (P-35+36) MCQ (10×1=10); 10 min.	
22 November 2024 (Friday)	Chapter-wise Exam [H.Math 2nd Paper Chapter-08]	(CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.	
23 November 2024 (Saturday)	Live Class (HM-47+48) H.Math: Chapter - 09	Daily Live Exam (P-37+38) MCQ (10×1=10); 10 min.	
24 November 2024 (Sunday)	Live Class (HM-49+50) H.Math: Chapter - 09	Daily Live Exam (HM-47+48) MCQ (10×1=10); 10 min.	
	Live Class (C-45+46) Chemistry: Chapter - 04	Daily Live Exam (HM-49+50) MCQ (10×1=10); 10 min.	
25 November 2024 (Monday)	Chapter-wise Exam [Physics 2nd Paper Chapter-09] (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.		
26 November 2024 (Tuesday)	Live Class (C-47+48) Chemistry: Chapter - 04	Daily Live Exam (C-45+46) MCQ (10×1=10); 10 min.	
27 November (Wednesday)	Live Class (HM-51+52) H.Math: Chapter - 09	Daily Live Exam (C-47+48) MCQ (10×1=10); 10 min.	
28 November 2024 (Thursday)	Live Class (P-39+40) Physics: Chapter - 10	Daily Live Exam (HM-51+52) MCQ (10×1=10); 10 min.	
29 November 2024 (Friday)	Chapter-wise Exam [Botany Chapter-11] (CQ 2×10=2	0); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.	
29 November 2024 (Friday) 30 November 2024 (Saturday)	Chapter-wise Exam [Botany Chapter-11] (CQ 2×10=2	0); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.	
29 November 2024 (Friday) 30 November 2024 (Saturday)	Chapter-wise Exam [Botany Chapter-11] (CQ 2×10=2 Chapter-wise Exam [Chemistry 2nd Paper Chapter-	0); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min. 04] (Part-01); Lecture C-43 to 45; (CQ 2×10=20); Time: 50min &	
29 November 2024 (Friday) 30 November 2024 (Saturday) 01 December 2024 (Sunday)	Chapter-wise Exam [Botany Chapter-11] (CQ 2×10=2 Chapter-wise Exam [Chemistry 2nd Paper Chapter- (Pre-Admission MCQ 10×1=10); Time: 10min.	0); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min. 04] (Part-01); Lecture C-43 to 45; (CQ 2×10=20); Time: 50min &	
29 November 2024 (Friday) 30 November 2024 (Saturday) 01 December 2024 (Sunday)	Chapter-wise Exam [Botany Chapter-11] (CQ 2×10=2 Chapter-wise Exam [Chemistry 2nd Paper Chapter- (Pre-Admission MCQ 10×1=10); Time: 10min. Chapter-wise Exam [Chemistry 2nd Paper Chapter-	0); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min. 04] (Part-01); Lecture C-43 to 45; (CQ 2×10=20); Time: 50min & 04] (Part-02); Lecture C-46 to 48; (CQ 2×10=20); Time: 50min &	
29 November 2024 (Friday) 30 November 2024 (Saturday) 01 December 2024 (Sunday) 03 December 2024 (Tuesday)	Chapter-wise Exam [Botany Chapter-11] (CQ 2×10=2 Chapter-wise Exam [Chemistry 2nd Paper Chapter- (Pre-Admission MCQ 10×1=10); Time: 10min. Chapter-wise Exam [Chemistry 2nd Paper Chapter- (Pre-Admission MCQ 10×1=10); Time: 10min.	0); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min. 04] (Part-01); Lecture C-43 to 45; (CQ 2×10=20); Time: 50min & 04] (Part-02); Lecture C-46 to 48; (CQ 2×10=20); Time: 50min &	
29 November 2024 (Friday) 30 November 2024 (Saturday) 01 December 2024 (Sunday) 03 December 2024 (Tuesday) 05 December 2024 (Thursday)	Chapter-wise Exam [Botany Chapter-11] (CQ 2×10=2 Chapter-wise Exam [Chemistry 2nd Paper Chapter- (Pre-Admission MCQ 10×1=10); Time: 10min. Chapter-wise Exam [Chemistry 2nd Paper Chapter- (Pre-Admission MCQ 10×1=10); Time: 10min. Chapter-wise Exam [H.Math 2nd Paper Chapter-09]	0); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min. 04] (Part-01); Lecture C-43 to 45; (CQ 2×10=20); Time: 50min & 04] (Part-02); Lecture C-46 to 48; (CQ 2×10=20); Time: 50min & (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.	
29 November 2024 (Friday) 30 November 2024 (Saturday) 01 December 2024 (Sunday) 03 December 2024 (Tuesday) 05 December 2024 (Thursday) 07 December 2024 (Saturday)	Chapter-wise Exam [Botany Chapter-11] (CQ 2×10=2 Chapter-wise Exam [Chemistry 2nd Paper Chapter- (Pre-Admission MCQ 10×1=10); Time: 10min. Chapter-wise Exam [Chemistry 2nd Paper Chapter- (Pre-Admission MCQ 10×1=10); Time: 10min. Chapter-wise Exam [H.Math 2nd Paper Chapter-09] Chapter-wise Exam [Physics 2nd Paper Chapter-10]	0); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min. 04] (Part-01); Lecture C-43 to 45; (CQ 2×10=20); Time: 50min & 04] (Part-02); Lecture C-46 to 48; (CQ 2×10=20); Time: 50min & (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min. I (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.	

Online Classes & Exam Procedure:

* Go to this website udvash.com and click on 'Join Now' menu to give Live Class & Exam. Login to class HSC 2nd year academic program progressive 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 2nd year academic Progressive Batch course syllabus part-02 (online)

		Physics 2nd Paper (Reference Book: UDVASH Parallel Text)		
Chapter	Lecture	Syllabus		
	P-21	Primary concepts of light, Newton's particle theory, Electromagnetic wave, Pointing vector, Electromagnetic spectrum, Wave and wavefront, Huygen's wave theory		
	P-22	Explanation of reflection and refraction with Huygen's theorem, Superposition of Wave, Coherent source.		
Physical Optics	P-23	Interference, Young's double slit experiment, Central maximum, Position of light and dark points.		
	P-24	Constructive interference, Destructive interference, Fringe distance, Fringe width.		
	P-25	Diffraction, Fraunhofer diffraction, Grating diffraction.		
	P-26	Polarization of light, Malus' Law, Intensity of light in polarization, Polarization in double refraction		
	P-27	Concept of modern physics, Intertial and non-inertial reference frame, Relation between various inertial reference frame, Michelson-Morley's experiment.		
Chapter-8	P-28	Special theory of relativity, Galiliam transformation, Lorentz transformation.		
Introduction of	P-29	Time dialation, Length contraction, Relativity of mass, Relation of mass-energy, Momentum of light.		
Modern Physics	P-30	Fundamental force, Travelling in space, Black-body radiation, Atomic mass unit.		
(Partial)	P-31	Photo-electric effect, Limitations of electromagnetci theory of light, Theory of Photon and photoelectric effect, Stopping potential		
	P-32	X-ray, Producing X-ray, Properties and types of x-ray.		
Chapter-9	P-33	Structure of Atom, Thomson's atomic model. Rutherford's alpha-particle experiment, Solar model, Bohr's atomic model, Atomic radius and energy, Structure of nucleus, Quantities of nucleus.		
• Atomic Model &		Radioactivity, Radioactive ray, Alpha, Beta and gamma radiation, Rules of radioactive transformation, Radioactive decay, Equation of		
Nuclear Physics	P-34	decay, Transformation law, Half-life and average-life, Mass defect and binding energy, Nuclear reaction, Fission, fusion and nuclear		
		reactor.		
	P-35	Energy band, Conductor, Semi-conductor and insulator with respect to band theory, Effect of temperature on semi-conductor, Pure		
	0.20	and impore serie-conductor, P-type and n-type serie-conductor, p-n junction diode.		
Chapter-10	P-36	Blasing in p-n junction, Forward and reverse blas, ideal diode model, Model of constant voltage drop, use of diode as a rectifier.		
Semi-Conductor	P-37	Structure of transistor, Basic combinations of transistors, Mechanism of p-n-p transistor.		
& Electronics	P-38	Properties or a transistor, use of transistor as an amplifier, use of transistor as a switch, Applying Kirchhoff's law in a transistor.		
	P-39	Numeric system, Introduction to various numeric system, Transformation of various numeric system, Binary addition, subtraction, multiplication and division.		

	P-40	Operations of Boolean algebra, Logic-gate, types of logic gates, Universal gate, Logic-circuit from Boolean equations.		
		Chemistry 2nd Paper (Reference Book: UDVASH Parallel Text)		
Chapter	Lecture	Syllabus		
	C-35	Chemical Calculation and Concentration- Chemical calculation, Mole and mole number + Math, Molar mass and volume + Math.		
	C-36	Determination of molar volume of products from chemical equation + Math, Determination of mass and volume of gaseous		
		components, Limiting reactant.		
Chaoter-3	C-37	Molar concentration and substance (Primary and secondary), Molarity, Molality, Normality, Percentage (%W/V, %W/W, %V/V), ppm, ppb,		
Stoichiometric		ppt, Dilution.		
Chemistry	C-38	Acid-base reaction- Introduction and neutralization reaction, Acid base titration + Math		
(Partial)	C-39	Indicator, Titration, Neutralization point, Titration graph.		
	C-40	Oxidation number, Valency and latent valency, Oxidation-reduction (Basic concept), Compatibility, Incompatibility, Auto oxidation-		
	C 41	reduction.		
	C-41	Oxidation-reduction titration (Determination of amount of metal ion and impurity, iodimetry and iodometry)		
	C-43	Electric conductivity and classification. Specific conductance equivalent conductance and molar conductance of electrolyte		
	C-44	Reactivity series of metal Electric cell Classification and technique of electrolyte Eactors having effect on electrolyte		
Chapter-4	C-45	Faraday's law + Math.		
Electro-		Electrode and Electrode potential – Elements of electrochemical cell, Oxidation-reduction half-cell reaction, Electrode and classification,		
chemistry	C-46	Single and double chamber electrochemical cell + usage, Galvanic cell, Standard electrode potential, Salt bridge and its use.		
(Partial)	C-47	Electrode indicator, Math of <mark>standar</mark> d electr <mark>ode pot</mark> ential, Math of safe container.		
	C-48	Electric cell, Cell potential and its effect- Nern <mark>st equa</mark> tion + Math, Relation of Gibbs free energy, pH Meter.		
		H.Math 2nd Paper (Reference Book: UDVASH Parallel Text)		
Chapter	Lecture	Syllabus		
	HM-15	Exercise – 6.1; Introduc <mark>ti</mark> on and Characteristics of Conics (Sections of Conics, Different Components of Conics, Eccentricity)		
	HM-16	Exercise – 6.1; Parabol <mark>a, St</mark> anda <mark>rd Equation of P</mark> arabola, Axis shifting, Focal Distance.		
	LIM_17	Exercise – 6.1; Parame <mark>tric E</mark> quation of Parabola, Polar Equation of Parabola, Determining the Equation of a Parabola from the		
	HM-17	Definition of Conic, T <mark>angent a</mark> t the Vertex (Vertex and <mark>E</mark> picenter Will Be Given).		
	HM-18	Exercise – 6.1; Smalles <mark>t Distance of</mark> Parabola from an External Point, Applying the Equation of Parabola to Real Life Problems.		
	HM-19	Exercise – 6.2; Standard Equation of Ellipse, Graphing the Standard Equation of Ellipse and Chart of Various Elements of Standard Equation.		
Chapter-06	HM-20	Exercise – 6.2; $SP + S'P = 2a$ (Length of Major Axis), Axis Shifting, Determining the Equation of an Ellipse from the Definition of		
Conics		Conic, Determining the Equation of an Ellipse from One of its Foci, Opposite Directrix & Eccentricity.		
	HM-21	Exercise – 6.3; Hyperbola, Standard Equation of Hyperbola, Chart of Various Elements of Standard Equation.		
	HM-22	Exercise – 6.3; Axis Shill ting, Asymptote.		
	HM-23	Definition of Conic		
		Exercise – 6.3: Explanation of a Pair of Straight Lines When $e \rightarrow \infty$ Discussion and Problems on Tangent of Conic General Equation of		
	HM-24	Conic and hence Identification of Conic, Position of Point Relative to Conic.		
		Exercise – 8.1; Elementary Ideas of Mechanics, Principle of Transmissibility of Force, Action and Reaction of a Force, Different Kinds		
	HM-33	of Forces, Definition of Some Triangle Related Topics in Statics Problem Solving.		
	⊔м_24	Exercise – 8.1; Resultant of Two Forces acting on a Particle, Addition of Forces, Determination of Magnitude and Direction of		
	HM-34	Resultant of Two Forces Acting at an Angle $lpha$ to Each Other, Related to Unchanged Direction of Resultant.		
	HM-35	Exercise – 8.1; Resultant of 3 or More Forces, Some Special Cases Related to Parallelogram Law, Polygon Formula of Addition of		
		Forces, (m, n) Theorem.		
	HM-36	Exercise – 8.1; Resolving a Force at a Certain Direction into Two Perpendicular Components. Projection Theorem, Application of		
Chapter-08		Projection Theorem For Two or More Forces, Determining the Value & Direction of Two Forces Using Perpendicular Components.		
Statics	HM-37	Exercise – 8.2; Equilibrium of Coplanar Forces, Law of Thangle of Forces in Equilibrium, inverse Formula of Law of Thangle of Forces		
	HM-38	Exercise – 82: Lami's Theorem Inverse of Lami's Theorem		
	HM-39	Exercise – 82: Problems Related to Lami's Theorem.		
	HM-40	Exercise – 8.2; Problems on Inverse Formula of Law of Triangle of Forces in Equilibrium.		
		Exercise – 8.3; Resultant of Parallel Forces Acting on a Rigid Body, Determining the Magnitude, Direction and Point of Action of Two		
	HM-41	Similar Parallel Forces.		
		Exercise – 8.3; Determining the Magnitude, Direction and Point of Action of Two Unequal and unlike Parallel Forces, Mathematical		
	nM-42	Problems.		
Chapter-09	HM-43	Exercise – 9.1; Displacement, Velocity, Acceleration, Resultant of Velocity More than One, Determining the Value and Direction of the		
Motion of		Resultant of Two Velocities Directed Towards the Same Point, Parallelogram Formula of Velocity, Triangle Formula of Velocity.		
Particles in a	HM-44	Exercise – 9.1; Problems on Minimum Distance Between Two Moving Particles, Problems on Crossing River.		
Plane	HM-45	Exercise – 9.2; Determining Relative Velocity, Problems on Determining Relative Velocity.		

		Exercise – 9.3; Uniform Acceleration, Unit of Acceleration, Equations of Motion for a Particle having Uniform Acceleration & Moving
	HM-46	along a Straight Line, Distance Traversed in a Particular Second and Average Velocity.
	HM-47	Exercise – 9.3; Graph of the Path of Motion of a Particle, From the Graph Velocity and Acceleration of a Particle.
	1114 40	Exercise – 9.3; Determining Velocity from Distance-Time Graph (In case of Uniform Velocity), Determining Velocity, Acceleration and
	HM-48	Covered Distance from Velocity-Time Graph.
	нм 40	Exercise – 9.4; Application of Formulae Relating to Acceleration in Case of Vertical Motion of a Particle, Motion of a Particle
	пм-49	Projected in a Vertical Plane, Motion of a Freely Falling Body from h height.
		Exercise – 9.4; Greatest Height, Time to reach at the Greatest Height, Time of Flight, Problems Related to Greatest Height, Velocity of
	HM-50	Object Falling to the Ground, Proof of Equations of Motion for Freely Falling Bodies, Problems on Determination of Velocity and
		Displacement of Freely Falling Bodies.
	LIM_51	Exercise – 9.5; Motion of a Particle Projected in a Vertical Plane, Projectile, Determining the Position and Velocity of a Particle at a
	HM-31	Given Time, Determining the Position and Velocity o <mark>f a Pa</mark> rticle at a Given Height, Relation Between H & R, R & T, T & H.
	LIM-52	Exercise – 9.5; Range, Greatest Height, Problems on Position and Velocity, Problems Related to Projectiles Thrown from Height,
	пм-52	Problems Related to Two Trajectories.
		Botany (Reference Book: (IDVASH Parallel Text)
Chapter	Lecture	Syllabus
Chapter	Lecture B-33	Syllabus Tissue Culture, Methods of Plant Tissue C <mark>ulture, App</mark> lications of Plant Tissue Culture
Chapter Chapter- 11	Lecture B-33 B-34	Syllabus Tissue Culture, Methods of Plant Tissue Culture, Applications of Plant Tissue Culture Genetic Engineering, Steps in Genetic Engineering.
Chapter Chapter- 11 Biotechnology	Lecture B-33 B-34 B-35	Syllabus Tissue Culture, Methods of Plant Tissue Culture, Applications of Plant Tissue Culture Genetic Engineering, Steps in Genetic Engineering. Gene Cloning, Applications of Biotechnology: Applications of Recombinant DNA Technology.
Chapter Chapter-11 Biotechnology	Lecture B-33 B-34 B-35 B-36	Syllabus Tissue Culture, Methods of Plant Tissue Culture, Applications of Plant Tissue Culture Genetic Engineering, Steps in Genetic Engineering. Gene Cloning, Applications of Biotechnology: Applications of Recombinant DNA Technology. Genome Sequencing, Biosafety policies in Application of Biotechnology
Chapter Chapter- 11 Biotechnology	Lecture B-33 B-34 B-35 B-36	Syllabus Tissue Culture, Methods of Plant Tissue Culture, Applications of Plant Tissue Culture Genetic Engineering, Steps in Genetic Engineering. Gene Cloning, Applications of Biotechnology: Applications of Recombinant DNA Technology. Genome Sequencing, Biosafety policies in Application of Biotechnology Zoology (Reference Book: UDV(ISH Parallel Text)
Chapter Chapter- 11 Biotechnology Chapter	Lecture B-33 B-34 B-35 B-36 Lecture	Syllabus Tissue Culture, Methods of Plant Tissue Culture, Applications of Plant Tissue Culture Genetic Engineering, Steps in Genetic Engineering. Gene Cloning, Applications of Biotechnology: Applications of Recombinant DNA Technology. Genome Sequencing, Biosafety policies in Application of Biotechnology Zoology (Reference Book: UDV(ISH Parallel Text) Syllabus
Chapter Chapter-11 Biotechnology Chapter	Lecture B-33 B-34 B-35 B-36 Lecture Z-33	Syllabus Tissue Culture, Methods of Plant Tissue Culture, Applications of Plant Tissue Culture Genetic Engineering, Steps in Genetic Engineering. Gene Cloning, Applications of Biotechnology: Applications of Recombinant DNA Technology. Genome Sequencing, Biosafety policies in Application of Biotechnology Syllabus Syllabus Genetics, Mendelian inheritance, explanation of some terms used in genetics, Mendel's first law and second law.
Chapter 11 Biotechnology Chapter	Lecture B-33 B-34 B-35 B-36 Cecture Z-33 Z-34	Syllabus Tissue Culture, Methods of Plant Tissue Culture, Applications of Plant Tissue Culture Genetic Engineering, Steps in Genetic Engineering. Gene Cloning, Applications of Biotechnology: Applications of Recombinant DNA Technology. Genome Sequencing, Biosafety policies in Application of Biotechnology Syllabus Syllabus Genetics, Mendelian inheritance, explanation of some terms used in genetics, Mendel's first law and second law. Deviations to the first formula (incomplete dominance, codominance), lethal genes
Chapter 11 Biotechnology Chapter 11 Chapter 11	Lecture B-33 B-34 B-35 B-36 Cecture Z-33 Z-34 Z-35	Syllabus Tissue Culture, Methods of Plant Tissue Culture, Applications of Plant Tissue Culture Genetic Engineering, Steps in Genetic Engineering. Gene Cloning, Applications of Biotechnology: Applications of Recombinant DNA Technology. Genome Sequencing, Biosafety policies in Application of Biotechnology Zoology (Reference Book: (IDV(ISH Parallel Text)) Syllabus Genetics, Mendelian inheritance, explanation of some terms used in genetics, Mendel's first law and second law. Deviations to the first formula (incomplete dominance, codominance), lethal genes Deviations to Mendel's second law (complementary genes), epistasis (dominant epistasis, duplicate recessive epistasis), polygenic
Chapter 11 Biotechnology Chapter Chapter 11 Genetics	Lecture B-33 B-34 B-35 B-36 Lecture Z-33 Z-34 Z-35	Syllabus Tissue Culture, Methods of Plant Tissue Culture, Applications of Plant Tissue Culture Genetic Engineering, Steps in Genetic Engineering. Gene Cloning, Applications of Biotechnology: Applications of Recombinant DNA Technology. Genome Sequencing, Biosafety policies in Application of Biotechnology Zoology (Reference Book: UDV(ISH Parallel Text) Syllabus Genetics, Mendelian inheritance, explanation of some terms used in genetics, Mendel's first law and second law. Deviations to the first formula (incomplete dominance, codominance), lethal genes Deviations to Mendel's second law (complementary genes), epistasis (dominant epistasis, duplicate recessive epistasis), polygenic inheritance.
Chapter 11 Biotechnology Chapter Chapter 11 Genetics and Evolution	Lecture B-33 B-34 B-35 B-36 Lecture Z-33 Z-34 Z-35 Z-36	Syllabus Tissue Culture, Methods of Plant Tissue Culture, Applications of Plant Tissue Culture Genetic Engineering, Steps in Genetic Engineering. Gene Cloning, Applications of Biotechnology: Applications of Recombinant DNA Technology. Genome Sequencing, Biosafety policies in Application of Biotechnology Syllabus Genetics, Mendelian inheritance, explanation of some terms used in genetics, Mendel's first law and second law. Deviations to the first formula (incomplete dominance, codominance), lethal genes Deviations to Mendel's second law (complementary genes), epistasis (dominant epistasis, duplicate recessive epistasis), polygenic inheritance. Sex Determination principles, Sex Linked Disorders, Red-Green Color Blindness, Hemophilia, Muscular Dystrophy.
Chapter 11 Biotechnology Chapter Chapter-11 Genetics and Evolution	Lecture B-33 B-34 B-35 B-36 Lecture Z-33 Z-34 Z-35 Z-36 Z-37	Syllabus Tissue Culture, Methods of Plant Tissue Culture, Applications of Plant Tissue Culture Genetic Engineering, Steps in Genetic Engineering. Gene Cloning, Applications of Biotechnology: Applications of Recombinant DNA Technology. Genome Sequencing, Biosafety policies in Application of Biotechnology Zoology (Reference Book: UDVfiSH Parallel Text) Syllabus Genetics, Mendelian inheritance, explanation of some terms used in genetics, Mendel's first law and second law. Deviations to the first formula (incomplete dominance, codominance), lethal genes Deviations to Mendel's second law (complementary genes), epistasis (dominant epistasis, duplicate recessive epistasis), polygenic inheritance. Sex Determination principles, Sex Linked Disorders, Red-Green Color Blindness, Hemophilia, Muscular Dystrophy. Problems caused by ABO blood group and Rh factor, evolution, Lamarckism

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