

**DELHI PUBLIC SCHOOL, LEH, LADAKH****ANNUAL SYLLABUS: 2024-2025****CLASS: XII****BIOLOGY (044)**

MONTH	BOOK / SECTION	CHAPTER / TOPIC
March-APRIL	NCERT	CHAPTER 2:- FLOWERING REPRODUCTION CHAPTER 3: HUMAN REPRODUCTION CHAPTER 4: REPRODUCTIVE HEALTH
MAY	NCERT	CHAPTER 8:-HUMAN HEALTH & DISEASE CHAPTER 10:- MICROBES IN HUMAN WELFARE
JUNE - JULY	NCERT	CHAPTER 13:- ORGANISM & POPULATION CHAPTER 14:- ECOSYSTEM CHAPTER 15:- BIODIVERSITY & CONSERVATION
AUGUST	NCERT	CHAPTER 5:- PRINCIPLES OF INHERITANCE AND VARIATION CHAPTER 7:- EVOLUTION
SEPTEMBER	NCERT	CLASS 6:- MOLECULAR BASIS OF INHERITANCE CLASS 11:- BIOTECHNOLOGY: PRINCIPLES AND PROCESSES CHAPTER 12:- BIOTECHNOLOGY AND ITS APPLICATION
OCTOBER	NCERT	Revision
NOVEMBER	NCERT	PRE-BOARD EXAM OF ENTIRE SYLLABUS

****SYLLABUS:**

TERM	COURSE
PA-I	CHAPTER 2, 3 & 4
HALF YEARLY	CHAPTER 2, 3, 4, 8, 10, 13, & 14
PA -II	CHAPTER 15, & 5
PA II (PRE-BOARD I)	ENTIRE SYLLABUS
FINAL (BOARD) EXAMINATIONS	ENTIRE SYLLABUS

Mathematics

MONTH	BOOK / SECTION	CHAPTER / TOPIC
APRIL	NCERT, R.S.AGARWAL	Unit 1: Chapter 1: Relations and Functions Chapter 2: Inverse Trigonometry Functions
MAY	NCERT	Unit 5 Chapter 12: Linear Programming Chapter 13: Probability
JUNE	NCERT, R.D.SHARMA	Unit 2 Chapter 3:Metrics Chapter 4:Determinants
JULY	NCERT, R.D.SHARMA	Unit 3 Chapter 5 : Continuity and Differentiability

AUGUST	NCERT, R.D.SHARMA	Chapter 6:Applications of Derivatives Chapter 7:Integrals Chapter 8:Applications of the Integrals
SEPTEMBER	NCERT, R.D.SHARMA	Chapter 9:Differential Equations Unit 4 Chapter 10:Vectors Chapter 11:Three-Dimensional Geometry
OCTOBER	NCERT, R.D.SHARMA	Revision of sample papers
NOVEMBER	NCERT, R. D. SHARMA	Revision of each chapter one by one
DECEMBER	NCERT,R.D.SHARMA	Revision and Tests
JANUARY		Previous Years Papers Tests
FEBRUARY		Revision of whole syllabus with Tests

****SYLLABUS:**

TERM	COURSE
PA-I	UNIT-1
HALF YEARLY	Unit 2 and Unit 5
PA II (PRE-BOARD I)	Complete Syllabus i.e. Unit 1 to Unit 5
FINAL (BOARD) EXAMINATIONS	ENTIRE SYLLABUS

PHYSICS (042)		
MONTH	BOOK / SECTION	CHAPTER / TOPIC
APRIL	Physics – Part – 1 (NCERT) Simplified Physics by S.L. Arora	Chapter 1: Electric Charges and Field Chapter 2: Electrostatic Potential and Capacitance Experiment: Determine the refractive index of Glass Prism by plotting graph between Angle of Incidence and angle of deviation
MAY	Physics – Part – 1 (NCERT) Simplified Physics by S.L. Arora	Chapter 3: Current Electricity. Chapter 11: Dual Nature of Radiation and matter Experiment: Determine the refractive index of Glass Slab using travelling microscope.
JUNE	Physics – Part – 1 & 2 (NCERT) Simplified Physics by S.L. Arora	Chapter 12: Atoms Chapter 13: Nuclei. Chapter 14: Semiconductor Electronics: Materials, Devices and Simple Circuits Experiment: Determine the focal length of Concave mirror by plotting the graph between u and v or 1/u and 1/v.

JULY	Physics – Part – 2 (NCERT) Simplified Physics by S.L. Arora	Chapter 8: Electromagnetic Waves Chapter 9: Ray optics Experiment: Determine the focal length of convex lens by plotting the graph between u and v or $1/u$ and $1/v$. Activities: 1.To identify a diode, an LED, a resistor and a capacitor from a mixed collection of such items. 2. Use of multimeter to see the unidirectional flow of current in case of a diode and an LED and check whether a given electronic component (e.g., diode) is in working order. 3.To observe refraction and lateral deviation of a beam of light
AUGUST	Physics – Part – 1 & 2 (NCERT) Simplified Physics by S.L. Arora	Chapter 10: Wave optics. Chapter 4: Moving Charges and Magnetism Chapter 5: Magnetism and Matter Experiment: Determine the resistivity of two / three wires by plotting a graph for potential difference versus current. Chapter 6: Electromagnetic Induction. Chapter 7: Alternating Current Experiment: To find resistance of a given wire / standard resistor using metre bridge. Experiment: To verify the laws of combination (series) of resistances using a metre bridge. OR To verify the laws of combination (parallel) of resistances using a metre bridge.
SEPTEMBER	Physics – Part – 1 & 2 (NCERT) Simplified Physics by S.L. Arora	Revision of Physics Part – 1 Experiment: To determine resistance of a galvanometer by half-deflection method and to find its figure of merit. Activities: 1.To measure resistance, voltage (AC/DC), current (AC) and check continuity of a given circuit using multimeter. 2. To assemble a household circuit comprising three bulbs, three (on/off) switches, a fuse and a power source. 3.To assemble the components of a given electrical circuit.
OCTOBER		Revision of Physics Part – 1
NOVEMBER		Revision of Physics Part – 2
DECEMBER		REVISION OF SAMPLE PAPERS
JANUARY		Revision whole syllabus online
FEBRUARY		Revision whole syllabus online

****SYLLABUS:**

TERM	COURSE
------	--------

PA-I	Chapter 1: Electric Charges and Field. Chapter 2: Electrostatic Potential and Capacitance.
HALF YEARLY	Chapter 1: Electric Charges and Field. Chapter 2: Electrostatic Potential and Capacitance. Chapter 3: Current Electricity. Chapter 11: Dual nature of radiation and matter. Chapter 12: Atoms Chapter 13: Nuclei
PA II (PRE-BOARD I)	ENTIRE SYLLABUS
FINAL (BOARD) EXAMINATIONS	ENTIRE SYLLABUS

CHEMISTRY		
MONTH	BOOK/SECTION	CHAPTER/TOPIC
MARCH -APRIL	Chemistry-Part-1 (NCERT) Reference book (Pradeep/ H.C Verma)	Chapter 1 – Solution Chapter 2 – Electrochemistry
MAY. JUNE	Chemistry-Part 1 (NCERT) Reference book (Pradeep / Balaji)	Chapter 8- Aldehydes, ketones and carboxylic acid Chapter 9- Amines
JULY	Chemistry- Part -2 (NCERT) Reference book (Pradeep/ M.S Chauhan)	Chapter 7- Alcohols , phenols and Ethers. Chapter 10- Bimolecules
AUGUST	Chemistry- Part -2 (NCERT) Reference book (Pradeep/ M.S Chauhan)	Chapter 4- The d and f block Chapter 5- Coordination compounds
SEPTEMBER	Chemistry- Part -1 (NCERT) Reference book Pradeep/ K.Kumar	Chapter 3- chemical kinetics Chapter 6- Haloalkanes and Haloarenes
OCTOBER	Chemistry -Part-1 (NCERT) Pradeep/ Balaji	Revision
NOVEMBER	Chemistry- part -2 (NCERT) Reference book Pradeep/ M.S Chauhan	Sample paper practice
DECEMBER	Chemistry part -1	Revision

*****SYLLABUS:**

TERM	COURSES
PA-1	Chapter 1: Solution

	Chapter 2: Electrochemistry Chapter 8 : Aldehydes , Ketones and Carboxylic acid.
HALF YEARLY	Chapter 1: Solution Chapter 2: Electrochemistry Chapter 8: Aldehydes, ketones and Carboxylic Acid Chapter 9: Amines Chapter 7: Alcohols, Phenols and Ether
PA -2 (Pre – Board 1)	ENTIRE SYLLABUS
Final (BOARD) EXAMINATION	ENTIRE SYLLABUS

English		
MONTH	BOOK / SECTION	CHAPTER / TOPIC
APRIL	Flamingo & Vistas	Chapter1: The Last Lesson Poem 1: My mother at sixty six
MAY	Flamingo & Vistas	Flamingo Chapter 2: Lost spring Chapter 3 : Deep water Poem 2: Keeping quiet
JUNE	Flamingo & Vistas	Flamingo Chapter 4: Rattrap Poem 3 : A thing of beauty Vistas
JULY	Flamingo & Vistas	Flamingo Chapter 5 : Indigo Poem 4 : A roadside stand Writing : Job application
AUGUST	Flamingo & Vistas	Flamingo Chapter 6 : Poets and Pancakes Chapter 7 : The interview Vistas Chapter 4 : The enemy Writing : Article writing .
SEPTEMBER	Flamingo & Vistas	Flamingo Chapter 8: Going places Vistas Chapter 5: On the face of it Chapter 6 : Memories of Childhood Writing : Report writing

OCTOBER		Revision and tests
NOVEMBER		Revision and tests
DECEMBER		Revision and tests
JANUARY		Revision whole syllabus online
FEBRUARY		Revision whole syllabus online

****SYLLABUS:**

TERM	COURSE
PA-I	Flamingo: Chapter 1: The last lesson Chapter 2: The lost spring Poem 1: my mother at sixty six Vistas Chapter 1: The third level Writing: Notice writing
HALF YEARLY	Flamingo Chapter3: Deep water Chapter 4 : The Rattrap Chapter 5 : Indigo Poem 2: Keeping quiet Poem 3 : A thing of beauty Vistas Chapter 2 : The tiger king Chapter 3: Journey to the End of the Earth Writing : Invitations & Job application
PA II (PRE-BOARD I)	Whole Syllabus
FINAL (BOARD) EXAMINATIONS	ENTIRE SYLLABUS

PHYSICAL EDUCATION (048)

MONTH	BOOK / SECTION	CHAPTER / TOPIC
APRIL/ MAY	VISHVAS/ EVERGREEN	CHAPTER 10: TRAINING IN SPORTS CHAPTER 9: PSYCHOLOGY & SPORTS CHAPTER 8: BIOMECHANICS & SPORTS
MAY/ JUNE	VISHVAS/ EVERGREEN	CHAPTER 7: PHYSIOLOGY & INJURIES IN SPORTS CHAPTER 6: TEST & MEASUREMENT IN SPORTS CHAPTER 5: SPORTS AND NUTRITION
JUNE/ JULY	VISHVAS/ EVERGREEN	CHAPTER 4: PHYSICAL EDUCATION AND SPORTS FOR CWSN (children with special needs) CHAPTER 3: YOGA AS PREVENTIVE MEASURES FOR LIFESTYLE DISEASE
JULY/AUGUST	VISHVAS/ EVERGREEN	CHAPTER 2: CHILDREN & WOMEN IN SPORTS. CHAPTER 1: MANAGEMENT IN SPORTING EVENTS
SEPTEMBER		REVISION AND TEST
OCTOBER		REVISION AND TEST
NOVEMBER		PRACTICAL
DECEMBER		REVISION AND TEST

****SYLLABUS:**

TERM	COURSE
PA-I	CHAPTER 8 ,9 & 10
HALF YEARLY	CHAPTER 6,7,8,9 &10
FINAL EXAM	ENTIRE SYLLABUS