DELHI PUBLIC SCHOOL, BARASAT

TERMWISE SYLLABUS (2025-26)

CLASS-XI (043)

SUBJECT- CHEMISTRY (043)

Months	Theory	Practical
UT 1		
April to June	1. Some Basic Concepts Of Chemistry 2. Structure Of Atom 3. Classification Of Elements And Periodicity In Properties	1.Learn to operate a mechanical balance/electronic balance. 2. Preparation of standard solution of Oxalic acid and sodium carbonate
HALF YEARLY EXAMINATION		
July to Aug	1. Chemical Bonding and Molecular Structure 2. Redox Reaction 3. All chapters from UT 1 will be included	Determination of strength of a given solution of Sodium hydroxide by titrating it against standard solution of Oxalic acid.
UT2		
Sept to Nov	1. Organic Chemistry- Some Basic Principles and Techniques 2. Hydrocarbons	Determination of one anion and one cation in a given salt Identification of Cations- $Pb^{2+,}$ $Cu^{2+,}$ $As^{3+,}$ $Al^{3+,}$ $Fe^{3+,}$ $Mn^{2+,}$ Ni2+, $Zn^{2+,}$ $Co^{2+,}$ $Ca^{2+,}$ $Sr^{2+,}$ $Ba^{2+,}$ $Mg^{2+,}$ NH_4^+
ANNUAL EXAMINATION		
Dec to Feb	1. Thermodynamics 2. Equilibrium All chapters from half yearly and UT 2 will be included	Identification of Anions – CO_3^{2-} , $S^{2-,}$ NO^{2-} , $SO_3^{2-,}$ $SO_4^{2-,}$ NO_3^- , Cl^-, Br^-, I^-,PO_4^{3-} ,CH3COO$^-$ (Note: Insoluble salts excluded)
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** SUBJECT TO CHANGE

DELHI PUBLIC SCHOOL, BARASAT

TERMWISE SYLLABUS (2025-26)

CLASS -XI

SUBJECT-BIOLOGY (044)

Months	Theory	Practical
UT 1		
April to June	**UNIT I** 1. **Diversity Of Living Organism**. 1.The Living World 2. Biological Classification 3. Plant Kingdom 4.Animal Kingdom	1STUDY AND OBSERVE SECTION –B (SPOTTING) 1. Parts of a compound microscope. 2.**SPECIMENS** Specimens/slides/models and identification with reasons - Bacteria, Oscillatoria, Spirogyra, Rhizopus, mushroom, yeast, liverwort, moss, fern, pine, monocotyledonousplant, one dicotyledonous plant and one lichen. 3. Virtual specimens/slides/models and identifying features of - Amoeba, Hydra, liver fluke, Ascaris, leech, earthworm, prawn, silkworm, honey bee, snail, starfish, shark, rohu, frog, lizard, pigeon and rabbit., **ART INTEGRATED ACTIVITY. Prepare a power point presentation on Biodiversity and Online Intersection class XI Panel Discussion with English and Biology faculty**
HALF YEARLY EXAMINATION		
July to Aug	**UNIT II AND UNIT III** **Structural Organisation in Plants and Animals 5. Morphology of Flowering Plants** **6. Anatomy of flowering Plants** **7. Structural organization in Animals** **Cell Structure and Function** **8. Cell – The Unit of Life** **9. Biomolecules** **10. Cell Cycle and Cell Division**	**A: List of Experiments** 1. Study and describe locally available common flowering plants, from family Solanaceae (Poaceae, Asteraceae or Brassicaceae can be substituted in case of particular geographical location) including dissection and display of floral whorls, anther and ovary to show number of chambers (floral formulae and floral diagrams), type of root (tap and adventitious); type of stem (herbaceous and woody); leaf (arrangement, shape, venation, simple and compound). 5. Study of distribution of stomata on the upper and lower surfaces of leaves 2. Preparation and study of T.S. of dicot and monocot roots and stems (primary). 3. Study of osmosis by potato osmometer. 4. Study of plasmolysis in epidermal peels (e.g. Rhoeo/lily leaves or flashy scale leaves ofonion bulb). **SPOTTING SECTION-B** Exp 5. Different types of inflorescence (cymose and racemose). Exp 4Study of different phases of mitosis onion root tip, and animal cells (grasshopper). **Art Integrated Activity** Prepare Mitosis and Meiosis Cards Using Beautiful colours and creativity to show crossing over, terminalisation of chaismata,

		chromosomes moving over spindle fibers . solve it like a jig saw puzzle online in group of 6.
UT2		
Sept to Nov	**UNIT IV** **Plant Physiology** **11. Photosynthesis in higher Plants** **12. Respiration in Plants** **13. Plant Growth and Development** **Human Physiology** **14. Breathing and Exchange of Gases** **15. Body Fluids and Circulation** **16. Excretory Products and Their Elimination**	**A: List of Experiments** 5. Study of distribution of stomata on the upper and lower surfaces of leaves. 6. Comparative study of the rates of transpiration in the upper and lower surfaces of leaves. 7. Test for the presence of sugar, starch, proteins and fats in suitable plant and animal materials. 8. Separation of plant pigments through paper chromatography. 9. Study of the rate of respiration in flower buds/leaf tissue and germinating seeds. 10. Test for presence of urea in urine. 11. Test for presence of sugar in urine. 12. Test for presence of albumin in urine. 13. Test for presence of bile salts in urine. **CROSS CURRICULUM** **(Inter disciplinary linking with Chemistry)** **Chapter- 9: Biomolecules** To teach the chapter Interdisciplinary approach can integrate Subjects like Biology with Chemistry. Chemical constituents of living cells : Biomolecules, structure of proteins, carbohydrates, lipids , nucleic acids to be taught with the help of Chemical formula
ANNUAL EXAMINATION		
Dec to Feb	**UNIT V** **Human Physiology** **17. Locomotion and Movement** **18. Neural Control and Coordination** **19. Chemical Coordination and Integration** **NOTE: Annual examination will be conducted on** **(Entire syllabus as per the guidelines of CBSE for the session 2024-2025)**	**B. Study and Observe the following (spotting):** Human skeleton and different types of joints with the help of virtual images/models only **Sports Integrated Activity** Yoga and Muscle Contraction and Relaxation- Spread your mats and perform : Sukhasana, Tadasana, Shashankasana, Padamasana, Naukasana, Vrikshasana.
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** SUBJECT TO CHANGE

DELHI PUBLIC SCHOOL, BARASAT

TERMWISE SYLLABUS (2025-26)

CLASS-XI

SUBJECT- PHYSICS (042)

Months	Theory	Practical
	UT 1	
April to June	1. Physical World, units and Measurement 2. Motion in a Straight line 3. Motion in a Plane	1. To measure diameter of a small spherical/cylindrical body and to measure internal diameter and depth of a given beaker/calorimeter using Vernier Callipers and hence find its volume. 2. To measure diameter of a given wire and thickness of a given sheet using screw gauge.
	HALF YEARLY EXAMINATION	
July to Aug	1. Laws of Motion 2. Work, Energy and Power 3. System of Particles and Rotational Motion. 4. Motion in a Plane (Revision)	To determine the mass of two different objects using a beam balance.
	UT2	
Sept to Nov	1. Gravitation 2. Mechanical Properties of Solid 3. Mechanical Properties of Fluids 4. Thermal Properties of matter	Using a simple pendulum, plot its L-T 2 graph and use it to find the effective length of second's pendulum.
	ANNUAL EXAMINATION	
Dec to Feb	1. Thermodynamics 2. Kinetic Theory of Gas 3, Oscillations 4. Waves All chapters from half yearly and UT 2 will be included	To study variation of time period of a simple pendulum of a given length by taking bobs of same size but different masses and interpret the result.
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** SUBJECT TO CHANGE

DELHI PUBLIC SCHOOL, BARASAT

TERMWISE SYLLABUS (2025-26)

CLASS-XI

SUBJECT- PHYSICAL EDUCATION (048)

Months	Theory	Practical
	UT 1	
April to June	1. Changing Trends & careers in Physical Education 2. Olympics Value Education	1. Physical Fitness Test 2. Proficiency in Games & Sports 3. Record Files -1 (Yoga)
	HALF YEARLY EXAMINATION	
July to Aug	1. Changing Trends & careers in Physical Education (REVISION) 2. Olympics Value Education (REVISION) 3. Fundamentals of Anatomy, Physiology in Sports 4. Training and Doping in Sports 5. Physical Fitness, Health and Wellness	1. Physical Fitness Test (REVISION) 2. Proficiency in Games & Sports (REVISION) 3. Yogic Practices 4. Record File -2 (Fitness Test administration- SAI Khelo-India Test)
	UT2	
Sept to Nov	1. Test, Measurement and Evaluation 2. Yoga	1. Physical Fitness Test 2. Proficiency in Games & Sports
	ANNUAL EXAMINATION	
Dec to Feb	1. Test, Measurement and Evaluation (REVISION) 2. Yoga (REVISION) 3. Fundamentals of Kinesiology and Biomechanics in Sports 4. Psychology and Sports 5. Physical Education and Sports for CWSN	1. Physical Fitness Test (REVISION) 2. Proficiency in Games & Sports (REVISION) 3. Yogic Practices Record Files -1 (on a Specific Games)

** SUBJECT TO CHANGE

DELHI PUBLIC SCHOOL, BARASAT

TERMWISE SYLLABUS (2025-26)

CLASS-XI

SUBJECT- ENGLISH CORE (301)

UNIT TEST I	HALF YEARLY EXAMINATION	UNIT TEST II	ANNUAL EXAMINATION
HORNBILL 1. Portrait of a Lady 2. We Are Not Afraid To Die 3. A Photograph 4. The Laburnum Top **SNAPSHOTS** 1. Summer of Beautiful White Horse **Short Writing** 1. Poster Making 2. Advertisement – Classifieds **Long Writing** 1. Speech Writing **Reading** 1. Comprehension- Factual/Case Based/Literary 2. Note making and summarizing **Integrated Grammar Practices** 1. Gap filling 2. Tenses 3. Reordering or Transformation of Sentences	**HORNBILL** 1. Discovering Tut 2. Voice of Rain 3. Childhood **SNAPSHOTS** 1. Birth 2. The Address **Short Writing** 1. Poster Making 2. Advertisement – Classifieds **Long Writing** 1. Speech Writing 2. Debate Writing **Reading** 1. Comprehension- Factual/Case Based/Literary 2. Note making and summarizing **Integrated Grammar Practices** 1. Clauses **(The entire UT1 syllabus will be included in Half Yearly Examination.)**	**HORNBILL** 1. Silk Road 2. Father to Son 3. The Adventure **SNAPSHOTS** 1. Mother's Day 2. Tale of the Melon City **Short Writing** 1. Poster Making 2. Advertisement- Classified **Long Writing** 1. Speech Writing 2. Debate Writing **Reading** 3. Comprehension- Factual/Case Based/Literary 4. Note making and summarizing **Integrated Grammar Practices** 1. Gap filling 2. Tense 3. Reordering or Transformation of Sentences 4. Clauses **(The entire UT1 and Half-Yearly Examination syllabus will be included in UT2)**	**(Entire syllabus as per the guidelines of CBSE for the session 2025-2026)**

** SUBJECT TO CHANGE

DELHI PUBLIC SCHOOL, BARASAT

TERMWISE SYLLABUS (2025-26)

CLASS-XI

SUBJECT- PSYCHOLOGY(037)

Months	Theory	Practical
	UT 1	
April to June	1. Understanding Psychology 2. Methods of Enquiry in Psychology	❖ Practical- On Learning
	HALF YEARLY EXAMINATION	
July to Aug	1. Human Development 2. Sensory, Attentional and Perceptual processes 3. Learning 4. All chapters from UT 1 will be included (All chapters from UT 1 will be included)	❖ Practical- On Memory
	UT2	
Sept to Nov	5. Human Memory 6. Thinking 7. Motivation and Emotion	❖ Project- Case Study
	ANNUAL EXAMINATION	
Dec to Feb	1. Understanding Psychology 2. Methods of Enquiry in Psychology 3. Human Development 4. Sensory, Attentional and Perceptual processes 5. Learning 6. Human Memory 7. Thinking 8. Motivation and Emotion (Full Syllabus of CBSE)	(Full Syllabus of CBSE)
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*** **Subject to change**

DELHI PUBLIC SCHOOL, BARASAT

TERMWISE SYLLABUS (2025-26)

CLASS-XI

SUBJECT- COMPUTER SCIENCE(083)

Months	Theory	Practical
UT 1		
April to June	1. Computer Systems and Organisation. 2. Computational Thinking and Programming. (Upto python Operator, Data type)	1. Print "Hello World" through IDLE. 2. Write python statement.
HALF YEARLY EXAMINATION		
July to Aug	1. Computational Thinking and Programming (Upto Loop and Nested Loop structure)	1. Solving expression using Python statement. 2. Program on If-Else statement. 3. Programs on Loop. 4. Programs on Nested Loop.
UT2		
Sept to Nov	1. Computational Thinking and Programming (Upto List, Tuple and Dictionary)	1. Programs on List. 2. List function. 3. Programs on Tuple. 4. Tuple function 5. Programs on python dictionary.
ANNUAL EXAMINATION		
Dec to Feb	1. Computational Thinking and Programming (Introduction to Python modules) 2. Society, Law and Ethics	1. Revision.
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*** **Subject to change**

DELHI PUBLIC SCHOOL, BARASAT

TERMWISE SYLLABUS (2025-26)

CLASS-XI

SUBJECT- ECONOMICS(030)

Months	THEORY
	UT 1
April to June	Microeconomics: 1. Economics and Economy 2. Problems of an Economy Statistics: 1. Concept of Economics and Significance of Statistics in Economics 2. Collection of Data 3. Census and Sample Methods of collection of Data.
	HALF YEARLY EXAMINATION
July to Aug	Microeconomics: 1. Consumer's Equilibrium-UtilityAnalysis 2.Consume's Equilibrium Indifference Curve analysis 3.Theory of Demand 4.Price Elasticity of Demand Statistics: 1. Census and Sample Methods of collection of Data. 2. Organisation of Data. 3. Presentation of Data--Textual and Tabular Presentation. 4. Diagrammatic Presentation of Data-- Bar Diagrams and Pie Diagrams 5. Frequency Diagrams: Histogram, Polygon and Ogive.
	UT2
Sept to Nov	Microeconomics: 1. Production Function and Returns to a Factor 2. Concepts of Cost. 3.Concept of Revenue Statistics: 1. Arithmetic Line-Graphs or Time Series Graphs. 2. Measures of Central Tendency-Arithmetic Mean. 3. Measures of Central Tendency-Median and Mode
	ANNUAL EXAMINATION

Dec to Feb	Microeconomics: 1.Concept of Revenue 2. Producer's Equilibrium 3. Theory of Supply. 4.Forms of Market 5.Market Equilibrium Under Perfect Competition and Effects of Shifts in Demand and Supply Statistics: 1. Measures of Central Tendency- Median and Mode 2. Measures of Dispersion 3. Correlation. 4. Index Numbers
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*** **Subject to change**

DELHI PUBLIC SCHOOL, BARASAT

TERMWISE SYLLABUS (2025-26)

CLASS-XI

SUBJECT- MATHEMATICS

Months	Theory	Practical
	Ut-1	
April To June	• Sets • Relation And Function • Trigonometry • Trigonometric Function.	Na
	Half Yearly	
July To August	• Sets • Relation And Function • Trigonometry • Trigonometric Function • Complex Number And Quadratic Equation • Linear Inequalities • Sequence And Series. • Straight Lines	Na
	Ut-2	
September To November	• Permutation And Combination • Binomial Theorem • Conic Section • Introduction To Three-Dimensional Geometry	Na
	Annual Exam	

December To February	**• Sets** **• Relation And Function** **• Trigonometry** **• Trigonometric Function** **• Complex Number And Quadratic Equation** **• Linear Inequalities** **• Sequence And Series** **• Straight Lines** **• Permutation And Combination** **• Binomial Theorem** **• Conic Section** **• Introduction To Three-Dimensional Geometry** **• Probability** **• Limits And Derivatives**	**Na**