SUBJECT: ENGLISH   **CLASS: XI SCI**

MONTH	LITERATURE READER (HORNBILL)	SUPPLEMENTARY READER (SNAPSHOT)	WRITING
JUNE	L-1 PORTRAIT OF A LADY	L-1 THE SUMMER OF BEAUTIFUL WHITE HORSE	TENSES
JULY	POEM.1 - PHOTOGRAPH L- 2: WE ARE NOT AFRAID TO DIE….IF WE CAN BE TOGETHER		CLASSIFIED ADVERTISEMENTS
AUGUST	L -3: DISCOVERING TUT POEM.2 THE LABURNUM TOP POEM.3 VOICE OF THE RAIN	L-2 THE ADDRESS L-7 BIRTH	SPEECH CLAUSES
SEPTEMBER	REVISION	REVISION	ASL
OCTOBER	L-4 THE ADVENTURE	L-5 MOTHER'S DAY	DEBATE
NOVEMBER	L - 5- THE SILK ROAD		
DECEMBER	POEM 4 CHILDHOOD		POSTERS MAKING
JANUARY	POEM 5 FATHER TO SON	POEM-THE TALE OF MELON CITY	DEBATE WRITING
FEBRUARY	PROJECT (ROLE PLAY)		ASL
PT 1	CH.1 Portrait of a lady Poem-1 - A Photograph, GRAMMAR		

HALY YEARLY SYLLABUS
SECTION A
1. UNSEEN PASSAGE
2. UNSEEN PASSAGE (CASE STUDY)
3. NOTE MAKING
SECTION B CREATIVE WRITING
6.CLASSIFIED ADVERTISEMENTS
8 SPEECH (A) (B)
HORNBILL-(PROSE)
L1=THE PORTRAIT OF A LADY
L2=WE ARE NOT AFFRAID TO DIE.....
L3 = DISCOVERING TUT
POEM: 1,2,3.
SNAPSHOT (PROSE)
L1 = SUMMER OF BEAUTIFUL WHITE HORSE
L2 = THE ADDRESS
L3 = BIRTH
GRAMMAR
CLASSIFIED ADVERTISEMENT
SPEECH WRITING
(TENSES / MODALS / DETERMINERS)

PT 2
HORNBILL: CHILDHOOD (POEM),
SNAPSHOTS:
CH.MOTHER 'S DAY,
CH. BIRTH
GRAMMAR:

ANNUAL EXAM :COMPLETE SYLLABUS

SUBJECT: PHYSICS   **CLASS: XI SCI**

MONTH	LESSONS/CHAPTERS	ACTIVITIES/PRACTICALS
JUNE	1.Units and Measurements	Exp.-1 Diameter by Vernier calipers
	2.Motion in a Straight line	Exp.-2 Internal diameter and depth by Vernier calipers
JULY	3. Motion in a plane	Exp.-3 Diameter of wire by Screw gauge
	4. Laws of Motion	Exp.-4 Volume of irregular lamina by Screw Gauge
		Exp.-5 Radius of curvature by Spherometer.
PT 1 SYLLABUS : Ch. : 1 and Ch. : 2		
AUGUST	5. Work energy and power	Exp.-6 effective length of second's pendulum.
	6. System of Particles and Rotational Motion	Exp.-7 Variation of T with different mass in simple pendulum.
SEPTEMBER	7. Gravitation	Exp.-8 Relation between force of limiting friction and normal reaction.
	8. Mechanical Properties of Solids	Exp.-9 Young's modulus of given wire.
HY SYLLABUS: Ch. 1 to 7		
OCTOBER	9. Mechanical Properties of Fluids	Exp.-10 Force constant of helical spring.
	10. Thermal Properties of Matter	Exp.-11 Coefficient of viscosity
NOVEMBER	11. Thermodynamics	Exp.-12 Newton's law of cooling
	12. Kinetic Theory	Exp.-13 Speed of sound by resonance.
DECEMBER	13. Oscillations	Exp.-14 sonometer under constant tension
	14. Waves	Exp.-15 sonometer under const frequency.
ANNUAL EXAM SYLLABUS : Full syllabus		

SUBJECT: CHEMISTRY   **CLASS: XI SCI**

MONTH	LESSONS/CHAPTERS	ACTIVITIES/PRACTICALS
JUNE	Ch – 1 Some Basic Concept of Chemistry	Introduction of Volumetric Titration Acid – Base Titration
JULY	Ch – 8 Redox Reaction	Acid _ base Titration (Cont.)
P.T. - 1	Ch – 1 & 8	----------
AUGUST	Ch – 2 Structure of Atom Ch – 3 Classification of Elements	Acid _ base Titration (Cont.)
SEPTEMBER	Ch – 4 Chemical Bonding & Molecular structure	Acid _ base Titration (Cont.)
HALF – YEARLY SYLLABUS: Ch – 1, 2, 3 & 8		
OCTOBER	Ch – 4 Chemical Bonding & Molecular structure (cont.)	Introduction of Salt Analysis Group – 0 & 1
NOVEMBER	Ch – 6 Thermodynamics Ch – 7 Equilibrium	Introduction of Salt Analysis Group – 1 & 2
DECEMBER	Ch – 12 Organic Chemistry- Some Basic Concepts	Introduction of Salt Analysis Group – 3 & 4
JANUARY	Ch – 13 Hydrocarbons	Revision
P.T. -2 : Ch – 6 and Ch – 12		

SUBJECT: MATHEMATICS   **CLASS: XI**

MONTH	LESSONS/CHAPTERS	ACTIVITIES
JUNE	Ch: 01 Set Theory	Activity :1
	Ch: 02 Relations and Functions	Activity : 2
PT-I SYLLABUS: Ch: 01,02		
JULY	Ch: 02 Continued	
	Ch: 03 Trigonometric Functions	
	Ch: 04 Complex Numbers and Quadratic equations	
	Ch: 05 Linear Inequalities	Activity: 3
AUGUST	Ch: 05 Continued	
	Ch: 06 Permutations and Combinations	
	Ch: 07 Binomial theorem	
HALF YEARLY SYLLABUS : Ch: 1,2,3,4,5,6,7		
SEPTEMBER	Ch: 07 Continued	
	Ch: 08 Sequence and Series	
OCTOBER	Ch: 08 Continued	
	Ch: 09 Straight Lines	
	Ch: 10 Conic Sections	Activity: 4,5
NOVEMBER	Ch: 10 Continued	
	Ch: 11 Introduction to 3-D	Activity: 6
DECEMBER	Ch: 11 Continued Ch: 12 Limits and Derivatives Ch: 13 statistics	
JANUARY	Ch: 13 Continued	
	Ch: 14 Probability	Activity: 7
FEBRUARY	Revision and Annual Exam,2024-25	
MARCH ANNUAL EXAM SYLLABUS : Ch: 1 to 14 (Full)		

SUBJECT: BIOLOGY   **CLASS: XI SCI**

MONTH	LESSONS/CHAPTERS	ACTIVITIES/PRACTICALS
JUNE	Chap 1: The living world Chap 2: Biological Classification	Part B: Exp 1: to study parts of a microscope Part A: Exp 1: to study the distribution of stomata and plasmolysis with the help of temporary slide
JULY	Chap 3: Plant Kingdom Chap 5: Morphology of Flowering Plants Chap 4: Animal kingdom	Part A: Exp 2: To study characteristics of flowers of Solanaceae family Part B: Exp 2: To study diagnostic features of plant and animal kingdom Part B: Exp 3: To study types of inflorescence
PT 1 SYLLABUS : Ch. : 1 and Ch. : 2		
AUGUST	Chap 6: Anatomy of Flowering plants Chap 7: Structural organization in animals Chap 8: Cell the unit of life	Part A: Exp 3: To study potato osmometer Part A: Exp 4: To study dicot and monocot stems and roots
SEPTEMBER	Revision	
HALF YEARLY SYLLABUS : Chapters: 1 to 8		
OCTOBER	Chap 9: Biomolecules Chap 10: Cell Cycle and Division	Part B: Exp 5: to study mitosis through permanent slides Part A: Exp 5: Test for the presence of starch, proteins and fats in food items.
NOVEMBER	Chap 11: Photosynthesis in plants Chap 14: Breathing and exchange of gases Chap 12: Respiration in plants	Part A: Exp 6: Paper chromatography Part A: Exp 7: Rate of respiration Part A: Exp 8: Rate of transpiration
DECEMBER	Chap 15: Body fluids and Circulation Chap 13: Plant growth and Development Chap 16: Excretory products and their elimination	Part A : Exp 9: To carry out urine analysis for sugars, proteins, urea and bile salts
JANUARY	Chap 17: Locomotion and Movement Chap 18: Neural control and coordination Chap 19: Chemical coordination and Integration	Part B: Exp 6: To study the human skeleton and different types of bones and joints
PT 2 SYLLABUS : Ch. : 9 and Ch. :10		
FEBRUARY	Revision	

MONTH	LESSONS/CHAPTERS	ACTIVITIES/PRACTICALS
JUNE	Introduction to software, what is program.	
	Data vs Information, Types of software (System software, Application Software, Utility software) Compilers, Interpreters, Differences.	
	Introduction to python, Tokens (Identifiers, Operators, Keywords, Escape Sequences)	Basic Prog of python ("Hello World!!) Programs to work with Different types of operators, Identifiers, keywords and Escape Sequences
JULY	Introduction to conditional Statement if(): elif(): else: Nested if() and its components	Logical program using conditional statements
	Introduction to Looping system: For () • in operator with for() • range() with for() • Reverse for() loop	Logical prog using conditional statement with for loop and nested loops
	While loop, while Vs. for Importance of while loop Working with while loop	Programs to use while loop.
PT-1 Syllabus : 1. Python Fundamentals 2. IF Condition	
AUGUST	Introduction to List, Tuple, Dictionary, Sets	List Programs
	Working with List: List functions. List Vs Tuples	List Logical Programs, Programs of Searching Values, Bubble Sort
	Working with Tuples, Dictionaries	Tuples, Dictionaries Programs. Tuple to list, list to Tuple
SEPTEMBER	Introduction to Boolean Algebra Boolean operators and variables	Python logical list programs using list, loops and tuples
	Truth Tables Working with Boolean laws (11) Proving Boolean Laws algebraically and using truth table	Program of Selection sort, Repetition of Bubble sort and List Programs.
	HALF YEARLY SYLLABUS : 1. Pt-1 syllabus 2. List, Tuples, Dictionary 3. Boolean Algebra	
OCTOBER	Law of Duality Finding out compliments of the Algebraic Equations. Logical gates. NAND, NOR , XOR, XNOR gates,	Revision progs for loops and if conditions
NOVEMBER	Introduction to Cyber Crime and Cyber safety	STD XI Project information and discussion.

	Safely browsing the web, identity protection, confidentiality, social networks, cyber trolls and bullying	
DECEMBER	Appropriate usage of social networks: spread of rumors, and common social networking sites (Twitter, LinkedIn, and Facebook) and specific usage rules.	Python Challenging and logical prog with menu options.
	Safely accessing web sites: adware, malware, viruses, Trojans.	
JUNUARY	Safely communicating data: secure connections, eavesdropping, and phishing and identity verification.	
	Revision of Python and Boolean.	

PT-2 SYLLABUS :
List, Tuples, Dictionary, Cyber Security, Soc. Law and ethics.

FEBUARY	Annual Exam Preparations	Practical Revision of all the topics and topic wise programs,

MARCH ANNUAL EXAM SYLLABUS: COMPLETE SYLLABUS