

YEAR PLANNER

2022-23

GRADE **11 SCI**



ISO 21001: 2018



Educating the Global Child

ENGLISH

Month	Chapter/Content	Test/Exam	TOPICS FOR SPEAKING & LISTENING SKILLS & ACTIVITIES (LANGUAGES)
June	Hornbill: Chap: 1(Prose and Poem) Grammar: Determiners W. Skills: Notice Writing and Poster Writing.		
July	Hornbill: Chap:2(Prose) Snapshots: Chap: 1 and 2 Grammar: Tenses W. Skills: Business /Official Letter	Monthly Test-1 Portion: Comprehension Grammar: Determiners, Tenses re-ordering of sentences Hornbill: Chap: 1 (Both Prose and Poem) Snapshots: Chap: 1	
August	Hornbill: Chap: 3 and 4 (Prose and Poem) Snapshots: Chap: 3 and 4 Grammar: Modals Writing Skills: Letter Writing (Job Application), Speech Writing.	Monthly Test -2 Portion: Comprehension Grammar: Determiners, Tenses and re-ordering of sentences Hornbill: Chap: 2 and 3. Snapshots: Chap: 2 and 3.	Speaking and listening skills
September	Hornbill: Chap:5 and 6(Prose and Poem) Snapshots: Chap: 5 and 6 Writing Skills: Advertisement Writing	Term Examination Portion: Comprehensions Hornbill: Chap: 1-4 and 6 (Both prose and poem) Chap: 5 (Only Prose) Snapshots: Chap: 1 to 4 Grammar: June-September. W. Skills: June-September.	
October	Hornbill: Chap:7(Prose and Poem) Grammar: Active and Passive Voice W. Skills: Article Writing		
November	Hornbill: Chap: 8(Prose and Poem) Snapshots: Chap: 7 Gram: Clauses Writing Skills: Debate Writing	Monthly Test- 3 Portion: Comprehension Hornbill: Chap:7 and 8 (Prose and poem) Snapshots: Chap: 6	
December	Snapshots: Chap: 8 Gram: Revision Writing Skills: Report Writing		Speaking and listening skills
January	REVISION	Monthly Test- 4	
February	REVISION	Annual Exam	

MATHEMATICS

Month	Chapters	Test / Exam	Experiments
June	SU: 01. Sets GP: 02. Relations & Functions		Subsets Relations Algebra of Operations
July	GP: 15. Statistics SU: 13. Limits	MONTHLY TEST - 2	Differentiate between Relation and Function 7. Straight Line 8. limits
August	SU: 05. Complex Numbers and Quadratic Equations GP: 06. Linear Inequalities	MONTHLY TEST – 3	9. Truth Values (Parallel Connection) 10. Sample Space of a coin
Sep	SU: 07. Permutations and Combinations GP: 08. Binomial Theorem		5. Combination 6. Complex numbers
Oct	SU: 09. Sequence and Series GP: 10. Straight Lines		
Nov	GP: 11. Conic Sections SU: 12. Introduction to Three–dimensional Geometry		
Dec	SU: 13. Derivatives SU: 03. Trigonometric Functions GP: 16. Probability	MONTHLY TEST - 4	
Jan	REVISION		
Feb	ANNUAL EXAMINATION		

PHYSICS

MONTH	CHAPTER / CONTENT	TEST / EXAM
JUNE	Unit 1. Physical World and Measurement Ch. 3 Motion in a Straight Line	
JULY	Ch. 4 Motion in a Plane Ch. 5 Laws of Motion	MONTHLY TEST -1 PORTION: Ch. 1 – 4
AUGUST	Ch. 6 Work, Energy and Power Ch. 7 System of Particles and Rotational Motion	MONTHLY TEST -2 PORTION: Ch. 5 – 7
SEPTEMBER	Ch. 8 Gravitation Ch. 9 Mechanical Properties of Solids	TERM EXAMINATION PORTION: Ch. 1 – 8

OCTOBER	Ch. 10 Mechanical Properties of Fluids Ch. 11 Thermal Properties of Matter	
NOVEMBER	Ch. 12 Thermodynamics Ch. 13 Kinetic Theory	MONTHLY TEST -3 PORTION: Ch. 9 – 13
DECEMBER	Ch. 14 Oscillations Ch. 15 Waves	
JANUARY	Revision	MONTHLY TEST -4 PORTION: Ch. 14,15
FEBRUARY	Revision	ANNUAL EXAMINATION Full Syllabus

CHEMISTRY

MONTH	CHAPTER / CONTENT	TEST / EXAM
JUNE	Chapter – 1 Some Basic Concepts of Chemistry	
JULY	Chapter – 2 Structure of Atom	MONTHLY TEST -1 PORTION: Chapters: 1&2
AUGUST	Chapter – 3 Classification of Elements and Periodicity in Properties Chapter – 4 Chemical Bonding and Molecular Structure	MONTHLY TEST -2 PORTION: Chapters 3&4
SEPTEMBER	Chapter –6 Chemical Thermodynamics	TERM EXAMINATION PORTION: June to September
OCTOBER	Chapter – 7 Equilibrium	
NOVEMBER	Chapter –8 Redox Reactions	MONTHLY TEST-3 PORTION: Chapters: 7&8
DECEMBER	Chapter- 12 Organic Chemistry: Some basic Principles and Techniques	
JANUARY	Chapter – 13 Hydrocarbons	MONTHLY TEST -4 PORTION: Chapters: 12 &13
FEBRUARY	Annual Examination	

COMPUTER SCIENCE

MONTH	CHAPTER / CONTENT	TEST / EXAM
JUNE	CH 1: COMPUTER SYSTEM OVERVIEW CH 2: DATA REPRESENTATION	
JULY	CH 3: BOOLEAN LOGIC CH 5: INTRODUCTION TO PROBLEM SOLVING	MONTHLY TEST -1 Portion – CH: 1,2,3
AUGUST	CH 6: GETTING STARTED WITH PYTHON CH 7: PYTHON FUNDAMENTALS	MONTHLY TEST -2 Portion – CH: 8,9,10
SEPTEMBER	CH 8: DATA HANDLING CH 9: FLOW OF CONTROL	TERM EXAMINATION Portion – CH: 1,2,3,7,8,9,10
OCTOBER	CH 10: STRING MANIPULATION CH 11: LIST MANIPULATION	
NOVEMBER	CH 12: TUPLES CH 13: DICTIONARIES	MONTHLY TEST -3 Portion – CH: 12,13,14
DECEMBER	CH 14: UNDERSTANDING SORTING CH 15: CYBER SAFETY	
JANUARY	CH 16: ONLINE ACCESS AND COMPUTER SECURITY CH 17: SOCIETY, LAW AND ETHICS	MONTHLY TEST -4 Portion – CH: 15,16,17
FEBRUARY	REVISION	ANNUAL EXAMINATION Portion – CH: 1,2,3,7,8,9,10, 12,13,14, 15,16,17

BIOLOGY

MONTH	CHAPTER / CONTENT	TEST / EXAM
JUNE	Chapter – 1 The living world Chapter – 2 Biological classification	
JULY	Chapter – 3 Plant kingdom Chapter – 4 Animal kingdom Chapter-6: Anatomy of Flowering Plants	MONTHLY TEST -1 PORTION : Chapters : 1,2,&3
AUGUST	Chapter-7: Structural Organisation in Animals Chapter – 8 Cell – The unit of life Chapter – 9 Biomolecules	MONTHLY TEST -2 PORTION : Chapters : 4 ,6,7,8&9

SEPTEMBER	Chapter – 10 Cell cycle and cell division Chapter – 17 Breathing and exchange of gases	TERM EXAMINATION PORTION : June to September Syllabus
OCTOBER	Chapter – 18 Body fluid and circulation Chapter – 19 Excretory products and elimination	
NOVEMBER	Chapter-20: Locomotion and Movement Chapter – 21 Neural control and co- ordination	MONTHLY TEST-3 PORTION : Chapters : 18,19,20&21
DECEMBER	Chapter – 22 Chemical co – ordination and integration Chapter – 13 Photosynthesis in plants	
JANUARY	Chapter – 14 Respiration in plants Chapter – 15 Plant growth and development	MONTHLY TEST -4 PORTION : Chapters : 22,13,14
FEBRUARY	Annual Examination	

PHYSICAL EDUCATION

MONTH	CHAPTER / CONTENT	TEST / EXAM
JUNE	Stand – 1 GAMES/SPORTS Football – Passing skills, Push pass. Basketball – Dribbling skills low dribbling. Athletic – Long jump (cycling method) Stand – 2 YOGA Suryanamaskar Partial curl-up, flexed/bend arm hang. Mass PT	Muscular endurance test
JULY	Stand – 1 GAMES/SPORTS Football – Passing skills, long pass. Basketball – Dribbling skills high dribbling. Athletic – track and field marking. Stand – 2 YOGA pranayama Sit and reach, 600 mts run. Mass PT	Flexibility and endurance test
AUGUST	Stand – 1 GAMES/SPORTS Football – trapping skills, instep trapping. Basketball – receiving the ball Athletic – Sprint 100 mts Stand – 2 YOGA pranayama Flamingo balance test, shuttle run. Mass PT	Balance and agility test
SEPTEMBER	Stand – 1 GAMES/SPORTS Football – trapping skills, thigh trapping. Basketball –2points shooting Athletic – Sprint 200 mts Stand – 2 YOGA Padmasana, bhujangasana. Sprint/dash, Standing Vertical Jump Mass PT	Speed and power test
OCTOBER	Stand – 1 GAMES/SPORTS Football – trapping skills, chest trapping.	Co-ordination test

	<p>Basketball –3points shooting Athletic – Sprint 200 mts Stand – 2 YOGA Vajrasana, Naukasana, Vrikshasana. Plate tapping, Alternative hand wall toss test Mass PT</p>	
NOVEMBER	<p>Stand – 1 GAMES/SPORTS Football –shooting with instep Basketball –Free throw Shooting Athletic – Sprint 400 mts Stand – 2 YOGA Artha-salabhasana, Akarna-dhanurasana Mass PT</p>	Skills test
DECEMBER	<p>Stand – 1 GAMES/SPORTS Football – kicking Basketball –Dodging/marking, Athletic – Sprint 400 mts Stand – 2 YOGA Pachimottanasana,Ugrasana. Mass PT</p>	Stand – 1 Examination
JANUARY	<p>Stand – 1 GAMES/SPORTS Football –Feinting. Basketball –Rebound Athletic – Shot-put Stand – 2 YOGA Matsyasana, Arthamatsyendrasana Mass PT</p>	
FEBRUARY	<p>Stand – 1 GAMES/SPORTS Football, Basketball, Athletic skills test. Stand – 2 YOGA Mass PT</p>	