

YEAR PLANNER

2022-23

GRADE 12 SCI



ISO 21001: 2018



Educating the Global Child

ENGLISH

MONTH	CHAPTER/CONTENT	TEST/EXAM	TOPICS FOR SPEAKING & LISTENING SKILLS & ACTIVITIES (LANGUAGES)
FEBRUARY	Flamingo: Chap: 1 and 2 (Prose and Poem) Vistas: Chap: 1 W. Skills: Notice Writing and Letter Writing (Editor)		
MARCH	Flamingo: Chap: 3 and 4 (Prose) Vistas: Chap: 2 and 3 W. Skills: Poster Making and Invitation Writing. Comprehension.		
APRIL	REVISION	Cycle Test- 1	
JUNE	Flamingo: Chap:3 and 4 (Poem) Vistas: Chap: 4 W. Skills: Advertisement and Letter Writing (Job Application)		
JULY	Flamingo: Chap: 5 (Prose and poem) Vistas: Chap: 5 W. Skills: Speech Writing Comprehension.	Cycle Test- 2	
AUGUST	Flamingo: Chap: 6 (Prose and Poem) Vistas: Chap: 6 Writing Skills: Letter Writing (Business or official letters)	Cycle Test- 3	ASL
SEPTEMBER	Flamingo: Chap: 7 (Prose) Vistas: Chap: 7 and 8 (First part) Writing Skills: Article Writing. Comprehension.	Cycle Test- 4	
OCTOBER	Flamingo: Chap: 8 (Prose) Vistas: Chap: 8 (Second part) Writing Skills: Debate Writing and Report Writing		
NOVEMBER	REVISION	Cycle Test- 5	ASL/PROJECT
DECEMBER	REVISION	Cycle Test- 6	
JANUARY	REVISION	PREPARATORY EXAM	
FEBRUARY	REVISION	PREPARATORY EXAM	
MARCH	FINAL EXAMINATION		

MATHEMATICS

MONTH	CHAPTERS	TEST / EXAM	EXPERIMENTS
FEB	SU: 01. Relations & Functions GP: 05. Continuity & Differentiability GP: 04. Determinants		1. NOT ONE-ONE BUT ONTO FUNCTION 5. LAGRANGE'S MEAN VALUE THEOREM
MAR	GP: 03. Matrices SU: 02. Inverse Trigonometric Functions		2. ONE-ONE BUT NOT ONTO FUNCTION 7. WORD PROBLEMS ON MAXIMA AND MINIMA
APRIL	SU: 06. Application of derivatives	CYCLE TEST - 1	
JUNE	SU: 12. Linear Programming GP: 07. Integrals SU: 10. Vector Algebra		3. CONTINUITY AND DISCONTINUITY OF A FUNCTION AT A POINT 4. ROLLE'S THEOREM 6. LOCAL MAXIMUM AND LOCAL MINIMUM VALUES OF A MINIMUM
JULY	GP: 07. Integrals (Contd.) SU : 11. Three-Dimensional Geometry	CYCLE TEST - 2	8. FINDING MAXIMA AND MINIMA 9. VERIFICATION OF MAXIMA AND MINIMA 10. EQUATION OF PLANE IN NORMAL FORM
AUG	GP: 13. Probability SU : 11. Three-Dimensional Geometry (Contd.) SU: 08. Applications of Integrals	CYCLE TEST - 3	
SEP / OCT	GP : 13. Probability (Contd.) SU:09. Differential Equations	CYCLE TEST - 4	
NOV	Revision	CYCLE TEST - 5	
DEC	Revision	CYCLE TEST - 6	
JAN	Revision	PREPARATORY EXAM	
FEB	Revision	PREPARATORY EXAM	
MAR	Annual Exam		

PHYSICS

MONTH	CHAPTER / CONTENT	TEST / EXAM
FEBRUARY	Ch.1 Electric Charges and Fields Ch.2 Electrostatic Potential and Capacitance	
MARCH	Ch.2 (contd.) Ch.3 Current Electricity	
APRIL	Ch.3 (contd.) Ch. 4 Moving Charges and Magnetism	CYCLE TEST - 1 PORTION: Feb-March
JUNE	Ch. 4 (contd.) Ch. 5 Magnetism and Matter	
JULY	Ch. 6 Electromagnetic Induction Ch. 7 Alternating Current	CYCLE TEST -2 PORTION : Feb - July
AUGUST	Ch. 9 Ray Optics and Optical Instruments Ch. 10 Wave Optics	CYCLE TEST -3 PORTION : Feb - August
SEPTEMBER	Ch. 11 Dual Nature of Radiation and Matter Ch. 12 Atoms	CYCLE TEST -4 PORTION : Feb - September
OCTOBER	Ch. 13 Nuclei Ch. 14 Semiconductor Electronics	
NOVEMBER	Ch. 8 Electromagnetic Waves	CYCLE TEST -5 PORTION : Feb - October
DECEMBER	REVISION	CYCLE TEST -6 PORTION : Full Syllabus
JANUARY	REVISION	AISSCE PRACTICAL EXAMINATION PREPERATORY PORTION: Full Syllabus
FEBRUARY	REVISION	
MARCH	BOARD EXAMINATION	

CHEMISTRY

MONTH	CHAPTER / CONTENT	TEST / EXAM
FEB	Ch: 10 Halo alkanes and haloarenes	
MAR	Ch: 11 Alcohols, Phenols and Ethers	
APR	Ch: 14 Biomolecules	CYCLE TEST -1 PORTION: Feb -March
JUNE	Ch: 2 Solutions	
JULY	Ch: 4 Chemical Kinetics	CYCLE TEST -2 PORTION: Feb - July
AUG	Ch: 9 Coordination compounds	CYCLE TEST -3 PORTION: Feb - August
SEP	Ch: 8 The d and f-block elements Ch: 3 Electro chemistry	CYCLE TEST -4 PORTION: Feb - September

OCT	Ch: 12 Aldehydes, Ketones and Carboxylic acid	
NOV	Ch: 13 Amines	CYCLE TEST -5 PORTION: Full Syllabus
DEC	Revision	CYCLE TEST -6 PORTION: Full Syllabus
JAN	Revision	AISSCE Practical's Exam
FEB	Revision	PRE-BOARD EXAM PORTION: Full portions.
MAR	Revision	ANNUAL EXAMINATION PORTION: Full portions.

COMPUTER SCIENCE

MONTH	CHAPTER / CONTENT	TEST / EXAM
FEBRUARY	Ch.1 Python Revision Tour - I Ch.2 Python Revision Tour - II	
MARCH	Ch.3: Working with functions	
APRIL	Ch.5: File Handling	CYCLE TEST - 1 PORTION: Ch – 1,2,3
JUNE	Ch.8: Data Structures (Lists as covered in class XI) Ch.9: Data Structures (Stack – Push & Pop using lists)	
JULY	Ch.10: Communication and Network Concepts Ch. 11: Relational Databases	CYCLE TEST -2 PORTION : Ch – 1,2,3,5,8,9
AUGUST	Ch.12: Simple Queries in SQL Ch.13: Table creation and data manipulation commands	CYCLE TEST - 3 PORTION : Ch – 1,2,3,5,8,9,10
SEPTEMBER	Ch.14: Grouping Records, Joins in SQL	CYCLE TEST - 4 PORTION : Ch – 1,2,3,5,8,9,10,11,12,13
OCTOBER	Ch.15: Interface Python with MySQL	
NOVEMBER	Ch.4: Using Python Libraries	CYCLE TEST - 5 PORTION : Full Portions
DECEMBER	REVISION	CYCLE TEST - 6 PORTION: Full portions.
JANUARY	REVISION PRACTICALS & VIVA	AISSCE 2023 PRACTICAL EXAMINATION
FEBRUARY	REVISION	2 nd PRE BOARD EXAM PORTION: Full portions.
MARCH	REVISION	ANNUAL EXAMINATION PORTION : Full portions.

BIOLOGY

MONTH	CHAPTER / CONTENT	TEST / EXAM
FEBRUARY	Chapter – 1 Reproduction in organisms	
MARCH	Chapter – 2 Sexual Reproduction in Flowering plants Chapter – 3 Human Reproduction	
APRIL	Chapter – 4 Reproductive health	Cycle Test - 1 Portion : Chapter 1,2,3,4
JUNE	Chapter – 5 Heredity and Variation Chapter – 6 Molecular basis of inheritance	
JULY	Chapter – 8 Human health and disease Chapter – 10 Microbes in Human welfare	CYCLE TEST -2 PORTION : Chapter- 1to 6
AUGUST	Chapter – 11 Principles and Processes of Biotechnology Chapter – 12 Applications of biotechnology in health and agriculture	CYCLE TEST -3 PORTION :Chapter – 1to 6, 8 & 10
SEPTEMBER	Chapter – 13 Organisms and Environment Chapter – 15 Biodiversity and its conservation	CYCLE TEST -4 PORTION :Chapter – 1to 6, ,10,11 & 12
OCTOBER	Chapter –7 Evolution Chapter-14: Ecosystem	
NOVEMBER	Chapter – 16 Environmental issues (Deleted in 2021-22)	CYCLE TEST -5 PORTION :Chapter – 1to 6, 8,10,11,12,13,15, 7 & 14
DECEMBER	REVISION	CYCLE TEST -6 PORTION :Full Portion
JANUARY	Board Practicals	PORTION :Full Portion
FEBRUARY	PREBOARD EXAM	
MARCH	Board Exam	

PHYSICAL EDUCATION

MONTH	CHAPTER / CONTENT	TEST / EXAM
JUNE	Stand – 1 GAMES/SPORTS Football – Dribbling skills.Inside,outside,instep dribbling. Basketball – Passing skills chest,overhead,bounce pass. Athletics - Long jump runway marking. Stand – 2 YOGA Suryanamaskar BMI Calculation Mass PT	Skills test
JULY	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
AUGUST	Stand – 1 GAMES/SPORTS Football – Passing skills, long pass. Basketball – Dribbling skills high dribbling. Athletic – track and field marking. Stand – 2 YOGA	Flexibility and endurance test

	pranayama Sit and reach, 600 mts run. Mass PT	
SEPTEMBER	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
OCTOBER	Stand – 1 GAMES/SPORTS Football – trapping skills, thigh trapping. Basketball – 2 points shooting Athletic – Sprint 200 mts Stand – 2 YOGA Padmasana, bhujangasana. Sprint/dash, Standing Vertical Jump Mass PT	Speed and power test
NOVEMBER	Stand – 1 GAMES/SPORTS Football – trapping skills, chest trapping. Basketball – 3 points shooting Athletic – Sprint 200 mts Stand – 2 YOGA Vajrasana, Naukasana, Vrikshasana. Plate tapping, Alternative hand wall toss test Mass PT	Co-ordination test
DECEMBER	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	Stand – 1 Examination
JANUARY	Stand – 1 GAMES/SPORTS Football – kicking Basketball – Dodging/marketing, Athletic – Sprint 400 mts Stand – 2 YOGA Pachimottanasana, Ugrasana. Mass PT	
FEBRUARY	Stand – 1 GAMES/SPORTS Football – Feinting. Basketball – Rebound Athletic – Shot-put Stand – 2 YOGA Matsyasana, Arthamatsyendrasana Mass PT	