

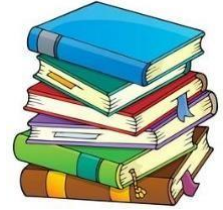


AIR FORCE GOLDEN JUBILEE INSTITUTE

SYLLABUS 2023-24

CLASS – XII

SCIENCE



ENGLISH

TERM I (APRIL - SEPTEMBER)

UNIT TEST - I

Literature

Reading comprehension. Creative writing skills-Notice, Formal and Informal invitation and their replies.

Literature-Flamingo-The Last Lesson, Lost Spring.

Poem-My mother at sixty six, Keeping Quiet.

Vistas-The third level

MID TERM (EXAM)

Reading-Comprehension passage-Descriptive and Case based

Creative writing skills-Notice, Formal and Informal invitation and their replies, Job Application with bio data, Letter to the Editor, Newspaper and magazine report and Article.

Flamingo-The Last Lesson, Lost Spring, Deep Water, The Rattrap, Indigo, Poets and Pancakes.

Poems-My mother at sixty six, Keeping Quiet, A thing of beauty.

Vistas-The Third level, The Tiger King, Enemy, Journey to the end of the Earth.

TERM II (OCTOBER - MARCH)

PRE-BOARD – I

Reading-Unseen passages-Descriptive and Case-based

Creative writing skills-Notice, Formal and Informal invitation and their replies, Job application with bio-data, Letter to the Editor, Newspaper and school magazine reports, Newspaper and school magazine article

Literature-Flamingo-Prose-The Last Lesson, Lost Spring, Deep Water, The Rattrap, Indigo, Poets and Pancakes, The Interview, Going Places

Poetry-My mother at sixty six, Keeping Quiet, A thing of beauty, A Roadside stand, Aunt Jennifer's tigers

Vistas-The Third level, The Tiger King, Journey to the end of the earth, The Enemy, On the face of it, Memories of childhood

COMMON PREBOARD (EXAM)

Reading comprehension-Descriptive and Case based passages

Creative writing skills-Notice, Formal and Informal invitations and their replies, Job Application with biodata, Letter to the Editor, Newspaper and school magazine report, Newspaper and school magazine articles

Literature-Flamingo-Prose-The Last Lesson, Lost Spring, Deep Water, The Rattrap, Indigo, Poets and Pancakes, The Interview, Going Places

Poetry-My mother at sixty six, Keeping Quiet, A Thing of beauty, A Roadside stand, Aunt Jennifer's Tigers

Vistas-The Third level, The Tiger King, Journey to the end of the earth, The Enemy, On the face of it, Memories of childhood

PHYSICS

TERM I (APRIL - SEPTEMBER)

UNIT TEST - I

Chapter 1: Electric charges & Fields

Chapter 2: Electrostatic potential & Capacitance

MID TERM (EXAM)

Chapter 1: Electric charges & Fields

Chapter 2: Electrostatic potential & Capacitance

Chapter 3: Current Electricity

Chapter 4: Moving Charges and Magnetism

Chapter 5: Magnetism and Matter

Chapter 6: Electromagnetic Induction

Chapter 7: Alternating Current

Chapter 8: Electromagnetic Waves

TERM II (OCTOBER -MARCH)

PREBOARD – I

Chapter 1: Electric charges & Fields
Chapter 2: Electrostatic potential & Capacitance
Chapter 3: Current Electricity
Chapter 4: Moving Charges and Magnetism
Chapter 5: Magnetism and Matter
Chapter 6: Electromagnetic Induction
Chapter 7: Alternating Current
Chapter 8: Electromagnetic Waves
Chapter 9: Ray Optics & Optical instruments
Chapter 10: Wave Optics
Chapter 11: Dual Nature of radiation and matter
Chapter 12: Atoms
Chapter 13: Nuclei
Chapter 14: Semiconductor electronic

COMMONPRE-BOARD (EXAM)

Syllabus for Pre board: NCERT book 1 & 2 (as prescribed by CBSE)

CHEMISTRY

TERM I (APRIL - SEPTEMBER)

UNIT TEST – I

Unit 10-haloalkanes & haloarenes

MID TERM (EXAM)

Unit 2-solutions
Unit 3- electrochemistry
Unit 4-chemical kinetics
Unit 8- d & f block
Unit-9- Coordination Compounds
Unit 10-haloalkanes & haloarenes
Unit 11- alcohol, phenol & ether

TERM II (OCTOBER -MARCH)

PREBOARD – 1

Unit 2- Solutions
Unit 3- electrochemistry
Unit 4-chemical kinetics
Unit 8- d & f block
Unit 9- coordination Compounds
Unit 10-haloalkanes & haloarenes
Unit 11 alcohol, phenol & ether
Unit 12- Aldehyde ketones and carboxylic acids
Unit 13- Amines
Unit 14-Biomolecules

COMMON PRE-BOARD (EXAM)

Syllabus for Pre board: NCERT book 1 & 2 (as prescribed by CBSE)

BIOLOGY

TERM I (APRIL - SEPTEMBER)

Ch 2 Sexual reproduction in flowering plants
Ch 3 Human reproduction
Ch 4 Reproductive health
Ch 5 Principles of inheritance and patterns
Ch 6 molecular basis of inheritance
Ch 7 Evolution
Ch 11 Biotechnology principles and processes
Ch 12 Biotechnology and its applications

Periodic Test –I

Ch 5 principles of inheritance and variation
Ch 6 molecular basis of inheritance

MID TERM (EXAM)

Term 1 syllabus

TERM II (OCTOBER - MARCH)

Ch 8 human health and disease
Ch 10 microbes in human welfare
Ch 13 organisms and populations
Ch 14 ecosystem
Ch 15 biodiversity and conservation

Pre Board -1

Entire term 1 and 2 syllabus

Common Pre Board

Complete syllabus as prescribed by

COMPUTER-SCIENCE

TERM I (APRIL - SEPTEMBER)

PERIODIC TEST – I

Topic: Class Xi Python topics and Functions
Chapter 1: Exception Handling in Python
Chapter 2: File Handling in Python (only text files)

MID TERM (EXAM)

Class XI Topics of Python and Functions
Chapter 1: Exception Handling
Chapter 2: File Handling
Chapter 3: Stacks

TERM II (OCTOBER - MARCH)

PREBOARD – 1

Class XI topics of Python and Functions
Chapter 1: Exception Handling
Chapter 2: File Handling
Chapter 3: Stacks
Chapter 8: Database Concepts
Chapter 9: Structured Query Language
Chapter 10: Computer Networks
Chapter 11: Data Communication

COMMON PRE-BOARD (EXAM)

(Syllabus for Pre board as per CBSE guideline)

MATHEMATICS

TERM I (APRIL- SEPTEMBER)

UNIT TEST – I

Chapter 1. Relations and Functions
Chapter 2. Inverse trigonometric
Functions
Chapter 3. Matrices
Chapter 4. Determinants

MID TERM (EXAM)

Chapter 1. Relations and Functions
Chapter 2. Inverse trigonometric Functions
Chapter 3. Matrices
Chapter 4. Determinants
Chapter 5. Continuity and Differentiability
Chapter 6. Applications of Derivatives
Chapter 7. Integrals
Chapter 8. Applications of Integrals

TERM II (OCTOBER- MARCH)

PREBOARD – 1

Chapter 1. Relations and Functions
Chapter 2. Inverse trigonometric Functions
Chapter 3. Matrices
Chapter 4. Determinants
Chapter 5. Continuity and Differentiability
Chapter 6. Applications of Derivatives
Chapter 7. Integrals

Chapter 8. Applications of Integrals
Chapter 9. Differential Equations
Chapter 10. 10. Vectors
Chapter 11. Three Dimensional Geometry
Chapter 12. Linear Programming

COMMON PRE-BOARD(EXAM)

Chapters1,2,3,4,5,6,7,8,9,10,11,12,13

Chapter 13. Probability

(Syllabus for Pre board as per CBSE guideline)