

D.A.V. PUBLIC SCHOOL, AIROLI
SYLLABUS BOOKLET-2023-24
STD- XII (Science)

Class Test-1 (Marks-25) (June 2023)

Sub: English

Topics: 1) VISTAS: 1. THE THIRD LEVEL
2) FLAMINGO: 1. THE LAST LESSON
3) FLAMINGO: POEM-MY MOTHER AT 66.
4) WRITING: NOTICE
5) COMPREHENSION PASSAGE

Sub: Physics

Topics: 1) Electric charges and fields
2) Electric potential and capacitance

Sub: Chemistry

Topics: 1) Electrochemistry
2) Haloalkanes and Haloarenes

Sub: Mathematics

Topics: 1) Matrices
2) Determinants
3) Linear programming problem.

Sub: Biology

Topics: 1) Principles of Inheritance and Variation
2) Molecular Basis of Inheritance

Sub: Computer Science

Topics: 1) Python Revision Tour-I
2) Python Revision Tour - II

Sub: Physical Education

Topics: 1) Management
of Sporting Events.
2) Children and Women
in Sports.

Class Test-2 (Marks-25) (August 2023)

Sub: English

- Topics: 1) FIAMINGO:THE LOST SPRING
2)FIAMINGO:POEM-KEEPING QUIET
3)VISTAS:THE TIGER KING
4)WRITING:INVITATION AND REPLIES
5)COMPREHENSION PASSAGE

Sub: Physics

- Topics: 1)Current electricity
2)Moving charges and magnetism
3)Magnetism and matter

Sub: Chemistry

- Topics: 1)Chemical kinetics
2)Alcohols phenols and ethers

Sub: Mathematics

- Topics: 1)Relations and Functions
2) Inverse trigonometric functions
3) Differentiability(only)

Sub: Biology

- Topics: 1) Molecular Basis of Inheritance
2) Evolution

Sub: Computer Science

- Topics: 1) Functions
2) Python Libraries
3) File Handling

Sub: Physical Education

- Topics: 1) Yoga as Preventive
measure for Lifestyle
Disease.
2) Physical Education
and Sports for CWSN.

First Term Examination (Marks-80/70) Sept 2023

Sub: English

- Topics: 1. Reading Comprehension through Unseen Passage.
2. Writing : Notice, Formal/Informal Invitation, Letter to the Editor, Article, Report.
3. literature: Flamingo: The Last Lesson, Lost Spring, Deep Water, The Rattrap, (Poetry) My Mother at Sixty-Six, Keeping Quiet
4. Vistas: The Third Level, The Tiger King, Journey to the end of the Earth

Sub: Physics

- Topics: 1) Electric charges and fields
2) Electric potential and capacitance
3) Current electricity
4) Moving charges and magnetism
5) Magnetism and matter

Sub: Chemistry

- Topics: 1) Electrochemistry
2) Haloalkanes and Haloarenes
3) Chemical kinetics
4) Alcohols phenols and ethers
5) d and f-block elements
6) Solutions

Sub: Mathematics

- Topics: 1) Relations and functions
2) Inverse trigonometric functions
3) Matrices
4) Determinants
5) Linear programming problem
6) continuity and Differentiability
7) Application of Derivatives

Sub: Biology

- Topics: 1) Principles of Inheritance and Variation
2) Molecular Basis of Inheritance
3) Evolution
4) Biotechnology - Its Principles
5) Biotechnology - Its Application
6) Reproduction in Flowering Plants
7) Human Reproduction
8) Reproductive Health

Sub: Computer Science

- Topics: 1) Python Revision Tour-1
2) Python Revision Tour-2
3) Functions, libraries
4) Data file Handling(text and binary)
5) Data structure
6) Introduction to Database
7) Programming with SQL

Sub: Physical Education

- Topics: 1) Management of Sporting Events.
2) Children and Women in Sports.
3) Yoga as Preventive measure for Lifestyle Disease.
4) Physical Education and Sports for CWSN.
5) Sports and Nutrition.

I- Preboard Dec- 2023 Examination(Marks-80/70)

Sub: English

- Topics: 1. Reading Comprehension through Unseen Passage.
2. Writing : Notice, Formal/Informal Invitation and Reply, application for a job with bio-data, Letter to the editor, Article, Report.
3. 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 road side stand, Aunt Jennifer's Tigers.
4. Literature Vistas: The Third Level, The Tiger King, Journey to the end of the Earth, The Enemy, On the Face of It, Memories of childhood.

Sub: Physics

- Topics: 1) Electric charges and fields
2) Electric potential and capacitance
3) Current electricity
4) Moving charges and magnetism
5) Magnetism and matter
6) Electromagnetic induction
7) Alternating current
8) Electromagnetic
9) Ray optics and optical instruments

- 10) Wave optics
- 11) Dual nature of radiation and matter
- 12) Atoms
- 13) Nuclei
- 14) Electronic devices

Sub: Chemistry

- Topics:
- 1) Electrochemistry
 - 2) Haloalkanes and Haloarenes
 - 3) Chemical kinetics
 - 4) Alcohols phenols and ethers
 - 5) d and f-block elements
 - 6) Coordination compounds
 - 7) Aldehydes ketones and carboxylic acids
 - 8) Solutions
 - 9) Amines
 - 10) Biomolecules

Sub: Mathematics

- Topics:
- 1) Relations and Functions
 - 2) Inverse trigonometric functions
 - 3) Matrices
 - 4) Determinants
 - 5) Continuity and Differentiability
 - 6) Applications of Derivatives
 - 7) Integration
 - 8) Application of Integrals
 - 9) Differential equations
 - 10) Vectors
 - 11) 3 Dimensional Geometry
 - 12) Probability
 - 13) Linear programming problem.

Sub: Biology

- Topics:
- 1) Principles of Inheritance and Variation
 - 2) Molecular Basis of Inheritance
 - 3) Evolution
 - 4) Biotechnology - Its Principles
 - 5) Biotechnology - Its Application
 - 6) Reproduction in Flowering Plants
 - 7) Human Reproduction
 - 8) Reproductive Health
 - 9) Human Health and Diseases
 - 10) Microbes in Human Welfare
 - 11) Organisms and Populations
 - 12) Ecosystem
 - 13) Biodiversity and Conservation

Sub: Computer Science

- Topics:
- 1) Python Revision Tour-1
 - 2) Python Revision Tour-2
 - 3) Functions
 - 4) Data file Handling
 - 5) Data structure
 - 6) Introduction to Database
 - 7) Programming with SQL
 - 8) Joins in SQL
 - 9) Computer Networks

Sub: Physical Education

- Topics:
- 1) Management of Sporting Events.
 - 2) Children and Women in Sports.
 - 3) Yoga as Preventive measure for Lifestyle Diseases.
 - 4) Physical Education and Sports for CWSN.
 - 5) Sports and Nutrition
 - 6) Test & Measurement in Sports.
 - 7) Physiology and Injuries in sport.
 - 8) Biomechanics and sports.
 - 9) Psychology and Sports.
 - 10) Training in Sports.