

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

Class Test-1 (Marks-25)

Sub: English

- Topics: 1) The portrait of a lady-Hornbill
2) A photograph-Hornbill
3) The summer of the beautiful white horse - Snapshot
4) Note - making - writing skills
5) Tenses-Grammar
6) Poster Designing

Sub: Physics

- Topics: 1) Units and measurements
2) Motion in a straight line

Sub: Chemistry

- Topics: 1) Some Basic concepts of Chemistry
2) Structure of atom

Sub: Biology

- Topics: 1) Breathing and Exchange of Gases
2) Circulation of Body Fluid

Sub: Computer Science

- Topics: 1) Computer System Overview
2) Data Representation

Sub: Physical Education

- Topics: 1) Changing Trends and Career in Physical Education
2) Olympic value Education

Sub: Mathematics

- Topics: 1) Sets
2) Relations and Functions
3) Linear Inequalities (only solve for x and represent on real number line)

First Term Examination (Marks-80/70)

Sub: English

Topics: Reading : Comprehension passages, Note Making

Literature:-

Hornbill

- The Portrait of a Lady (Prose)
- A Photograph (Poem)
- “We’re Not Afraid to Die... if We Can be Together •Discovering Tut: the Saga Continues
- The Laburnum Top (Poem)

Snapshots:

- The Summer of the Beautiful White Horse (Prose) • •The Address (Prose)

Grammar - 1) Questions on Gap filling (Tenses)

2) Questions on re-ordering/transformation of sentence

Writing Skills

Poster designing

Classified Advertisements (Situation vacant/Wanted, Sale& Purchase of property, To Let)

Speech writing

Debate writing

Sub: Physics

Topics: 1) Units and Measurements

2) Motion in a straight line

3) Motion in a plane

4) Laws of motion

5) Work Energy and Power

Sub: Chemistry

Topics: 1) some basic Concepts of Chemistry

2) Structure of atom

3) Classification of elements and Periodicity in Properties

4) Chemical Bonding and Molecular Structure

5) Redox Reactions

Sub: Biology

Topics: 1) Breathing and Exchange of Gases

2) Body Fluids and Circulation

3) Excretory Products and their Elimination

4) Locomotion and Movement

5) Neural Control and Coordination

6) Chemical Coordination and Integration

Sub: Computer Science

Topics: 1) Computer System Overview

2) Data Representation

3) Introduction to Problem solving

4) Getting started with Python

5) Python Fundamentals

6) Data Handling

7) flow of control

8) String Manipulation

9) Cyber Safety

Sub: Physical Education

Topics: 1) Changing Trends and Career in Physical Education
2) Olympism
3) Physical Fitness, Wellness and Lifestyle
4) Physical Education and Sports for CWSN
5) Yoga

Sub: Mathematics

Topics: 1) Trigonometric functions
2) Complex number and Quadratic Equations
3) Linear inequalities
4) Introduction to 3 Dimensional geometry
5) Sets
6) Relations and Functions

Class Test-2 (Marks-25)**Sub: English****Topics:****Hornbill**

- The Voice of the Rain (Poem)
- The Adventure

Snapshots:

- Mother's Day (play)

Grammar - 1) Questions on Gap filling (Tenses, Clauses)

2) Questions on re-ordering/transformation of sentence

Writing Skills - Classified Advertisements

Sub: Physics

Topics: 1) System of particles and Rotational motion
2) Gravitation

Sub: Chemistry

Topics: 1) Organic chemistry: some basic Principles and Techniques
2) Hydrocarbons

Sub: Biology

Topics: 1) Photosynthesis in Higher Plants
2) Respiration in Plants
3) Plant - Growth and Development

Sub: Computer Science

Topics: 1) List Manipulation
2) Tuples
3) Dictionaries

Sub: Physical Education

Topics: 1) Test, Measurement and Evaluation
2) Fundamentals of Anatomy and Physiology in Sports

Sub: Mathematics

- Topics: 1) Straight Lines
2) Sequence and Series
3) Permutation and Combination

Preboard Examination(Marks-80/70)**Sub: English**

Topics: Reading : Comprehension passages, Note Making

Hornbill

- The Portrait of a Lady (Prose)
- A Photograph (Poem)
- “We’re Not Afraid to Die... if We Can be Together •Discovering Tut: the Saga Continues
- The Laburnum Top (Poem)
- The Voice of the Rain (Poem)
- Childhood (Poem)
- The Adventure
- Silk Road (Prose)
- Father to Son

Snapshots:

- The Summer of the Beautiful White Horse (Prose) • •The Address (Prose)
- Mother’s Day (Play)
- Birth (Prose)
- The Tale of Melon City(poem)

Grammar - 1) Questions on Gap filling (Tenses, Clauses)

2) Questions on re-ordering/transformation of sentence

Writing Skills

Poster designing

Classified Advertisements

Speech writing

Debate writing

Sub: Physics

Topics: 1) Units and Measurements

2) Motion in a straight line

3) Motion in a plane

4) Laws of motion

5) Work Energy and Power

6) System of particles and Rotational motion

7) Gravitation

8) Mechanical properties of solids

9) Mechanical properties of fluids

10) Thermal properties of matter

11) Thermodynamics

12) Behaviour of perfect gas and kinetic theory

13) Oscillations

14) Waves

Sub: Chemistry

Topics:

- 1) Some basic Concepts of Chemistry
- 2) Structure of atom
- 3) Classification of elements and Periodicity in Properties
- 4) Chemical Bonding and Molecular Structure
- 5) Organic chemistry: Some basic Principles and Techniques
- 6) Redox Reactions
- 7) Hydrocarbons
- 8) Thermodynamics
- 9) Equilibrium

Sub: Biology

Topics: 1) Breathing and Exchange of Gases

- 2) Body Fluids and Circulation
- 3) Excretory Products and their Elimination
- 4) Locomotion and Movement
- 5) Neural Control and Coordination
- 6) Chemical Coordination and Integration
- 7) Photosynthesis in Higher Plants
- 8) Respiration in Plants
- 9) Plant - Growth and Development
- 10) Biomolecules
- 11) Cell Cycle and Cell Division
- 12) Cell: Structure and Function
- 13) Morphology of Flowering Plants
- 14) Anatomy of Flowering Plants
- 15) Structural Organisation in Animals (Frog)

Sub: Computer Science

Topics: 1) Computer System Overview

- 2) Data Representation
- 3) Introduction to Problem solving
- 4) Getting started with Python
- 5) Python Fundamentals
- 6) Data Handling
- 7) Flow of Control
- 8) String Manipulation
- 9) List Manipulation
- 10) Tuples
- 11) Dictionaries
- 12) Cyber Safety
- 13) Online Access & Computer Security
- 14) Society, Law & Ethics

Sub: Physical Education

Topics: 1) Changing Trends and Career in Physical Education

- 2) Olympic Value Education
- 3) Yoga
- 4) Physical Education and Sports for CWSN
- 5) Physical Fitness, Health and Wellness
- 6) Test, Measurement and Evaluation

- 7) Fundamentals of Anatomy and Physiology in Sports
- 8) Fundamentals of Kinesiology and Biomechanics in Sports
- 9) Psychology and Sports
- 10) Training and Doping in Sports

Sub: Mathematics

- Topics:
- 1) Sets.
 - 2) Relations and Functions.
 - 3) Trigonometric Functions.
 - 4) Complex Numbers and Quadratic Equations.
 - 5) Linear Inequalities.
 - 6) Permutations and Combinations.
 - 7) Binomial Theorem.
 - 8) Sequence and Series
 - 9) Straight Lines
 - 10) Conic Sections
 - 11) Introduction to 3D geometry
 - 12) Limits and Derivatives
 - 13) Statistics
 - 14) Probability

Final Examination(Marks-80/70)

Sub: English

Hornbill

- The Portrait of a Lady (Prose)
- A Photograph (Poem)
- "We're Not Afraid to Die... if We Can be Together" • Discovering Tut: the Saga Continues
- The Laburnum Top (Poem)
- The Voice of the Rain (Poem)
- Childhood (Poem)
- The Adventure
- Silk Road (Prose)
- Father to Son
- Snapshots:
 - The Summer of the Beautiful White Horse (Prose) • The Address (Prose)
 - Mother's Day (Play)
 - Birth (Prose)
 - The Tale of Melon City (poem)

Grammar - 1) Questions on Gap filling (Tenses, Clauses)

2) Questions on re-ordering/transformation of sentence

Writing Skills

- Poster designing
- Classified Advertisements
- Speech writing
- Debate writing
- Note making

Sub: Physics

- Topics:
- 1) Units and Measurements
 - 2) Motion in a straight line
 - 3) Motion in a plane
 - 4) Laws of motion
 - 5) Work Energy and Power
 - 6) System of particles and Rotational motion
 - 7) Gravitation
 - 8) Mechanical properties of solids
 - 9) Mechanical properties of fluids
 - 10) Thermal properties of matter
 - 11) Thermodynamics
 - 12) Behaviour of perfect gases and Kinetic theory of gases
 - 13) Oscillations
 - 14) Waves

Sub: Chemistry

- Topics:
- 1) Some basic Concepts of Chemistry
 - 2) Structure of atom
 - 3) Classification of elements and Periodicity in Properties
 - 4) Chemical Bonding and Molecular Structure
 - 5) Organic chemistry: Some basic Principles and Techniques
 - 6) Redox Reactions
 - 7) Hydrocarbons
 - 8) Chemical Thermodynamics
 - 9) Equilibrium

Sub: Biology

- Topics:
- 1) Breathing and Exchange of Gases
 - 2) Body Fluids and Circulation
 - 3) Excretory Products and their Elimination
 - 4) Locomotion and Movement
 - 5) Neural Control and Coordination
 - 6) Chemical Coordination and Integration
 - 7) Photosynthesis in Higher Plants
 - 8) Respiration in Plants
 - 9) Plant - Growth and Development
 - 10) Biomolecules
 - 11) Cell Cycle and Cell Division
 - 12) Cell: Structure and Function
 - 13) Morphology of Flowering Plants
 - 14) Anatomy of Flowering Plants
 - 15) Structural Organisation in Animals (Frog)
 - 16) The Living World
 - 17) Biological Classification
 - 18) Plant Kingdom
 - 19) Animal Kingdom

Sub: Computer Science

- Topics:
- 1) Computer System Overview
 - 2) Data Representation
 - 3) Introduction to Problem solving
 - 4) Getting started with Python
 - 5) Python Fundamentals
 - 6) Data Handling
 - 7) Flow of Control
 - 8) String Manipulation
 - 9) List Manipulation
 - 10) Tuples
 - 11) Dictionaries
 - 12) Cyber Safety
 - 13) Online Access & Computer Security
 - 14) Society, Law & Ethics

Sub: Physical Education

- Topics:
- 1) Changing Trends and Career in Physical Education
 - 2) Olympism
 - 3) Yoga
 - 4) Physical Education and Sports for CWSN
 - 5) Physical Fitness, Health and Wellness
 - 6) Test, Measurement and Evaluation
 - 7) Fundamentals of Anatomy and Physiology in Sports
 - 8) Fundamentals of Kinesiology and Biomechanics in Sports
 - 9) Psychology and Sports
 - 10) Training and Doping in Sports

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- Topics:
- 1) Sets.
 - 2) Relations and Functions.
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 - 6) Permutations and Combinations.
 - 7) Binomial Theorem.
 - 8) Sequence and Series
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