

SYLLABUS FOR CLASS - XII (SCIENCE) 2012-2013

ENGLISH

UNIT - I

Flamingo

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|--------------------|----------------|---------------|----------------|
| 1. The Last Lesson | 2. Lost Spring | 3. Deep Water | 4. The Rattrap |
| 5. Indigo | | | |

POEMS

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|---------------------------|---|
| 1. My Mother at Sixty Six | 2. An Elementary School Classroom in a Slum |
| 3. Keeping Quiet | 4. A Thing of Beauty |
| 5. Aunt Jennifer's Tigers | |

VISTAS

- | | |
|------------------------------------|----------------------|
| 1. The third level | 2. The Tiger King |
| 3. Journey to the end of the earth | 4. The Enemy |
| 5. Should wizard hit mommy | 6. On the face of IT |

WRITING SKILLS

Notice, Advertisements, Business letters, Factual Description, Report Writing, Letter to the editor, Article Writing

UNIT - II

Flamingo

PROSE

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|-----------------------|------------------|----------------|
| 6. Poets and Pancakes | 7. The Interview | 8. Going Place |
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POETRY

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| 5. A Roadside stand |
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VISTAS

- | | |
|---------------------------|--------------------------|
| 7. Evans Tries an O-Level | 8. Memories of Childhood |
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WRITING SKILLS

Poster, Speech, debate and all writing skills done in 1st unit.

PHYSICS

UNIT - I

- | | |
|-------------------------------------|--------------------------|
| 1. Electrostatics | 2. Current & Electricity |
| 3. Magnetic effects of current | 4. Magnetisms |
| 5. Electromagnetic induction & A.C. | 6. Electromagnetic Waves |

DECEMBER PREPARATORY

PHY - I

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|---|-------------------------------------|
| 1. Electrostatics | 2. Current & Electricity |
| 3. Magnetic & Magnetisms effects of current | 4. Electromagnetic induction & A.C. |

PHY - II

- | | |
|-------------------------------|--------------------------------------|
| 5. Optics | 6. Dual Nature of Matter & radiation |
| 7. Atoms & nuclei | 8. Solids of Semiconductor devices |
| 9. Principle of Communication | 10. Electromagnetic waves |

JANUARY PREBOARD - (Full syllabus)

BIOLOGY

UNIT - I

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|-----------------|-------------------------|------------------------------|
| 1. Reproduction | 2. Genetics & Evolution | 3. Biology and Human Welfare |
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UNIT - II

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|------------------|--------------------------|----------------------------------|
| 1. Biotechnology | 2. Ecology & environment | 3. Previous syllabus of Unit - I |
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UNIT - III PRE-BOARD EXAM FULL SYLLABUS

CHEMISTRY

UNIT - I

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|----------------------|---------------------------|
| 1. Solutions | 5. Electrochemistry |
| 2. Chemical Kinetics | 6. Alkyl and Aryl halider |
| 3. P-Block elements | 7. Surface Chemistry |

4. Solid State

8. Polymers

9. D & F Block Elements

UNIT - II

1. Co-ordination Compounds
2. Alcohol, Phenols & Ethers
3. Aldehyd, Ketone & Carboxylic Acid
4. Organic Compd. Containing Nitrogen
5. Biomolecules

PRE-BOARD- Full Syllabus

6. General Principles
7. Chemistry in Everyday Life
8. Syllabus of Unit I

MATHEMATICS

UNIT - I

1. Relations
2. Function
3. Binary Operations
4. Inverse Trigonometric Equations
5. Algebra of Matrices
6. Determinants
7. Adjoint and Inverse of Matrix
8. Solution of simultaneous linear equations
9. Continuity
10. Differentiability

11. Differentiation
12. Higher order derivatives
13. Vectors
14. Linear Programming

UNIT - II

(Vol-II R.D. Sharma (and Volume - I

1. Definite Integrals
2. Areas of Bounded regions
3. Differential equations
4. Direction cosines and direction ratio

5. Straight line in space
6. The Plane
7. Probability
8. Application of Derivative

PRE-BOARD (JANUARY)- Full Syllabus

PHYSICAL EDUCATION

Unit 1 : Physical Fitness and Wellness

Meaning and Importance of Physical Fitness and Wellness Component of Physical Fitness and Wellness Factors Affecting Physical Fitness and Wellness Principles of Physical Fitness Development

Means of Fitness Development -Aerobic and Anaerobic, Games and Sports, Yoga and Recreational Activities

Unit 2 : Planning in Sports

Fixtures - Knock Out; League; Seeding and Bye

Intramurals and Extramurals

Formation of Committees for Organizing Sports Events

Specific Sports Programmes - Health Runs; Run for Fun; Run for Unity; Run for Awareness; Run for Specific Causes.

Unit 3 : Sports Environment

Meaning and Need for Sports Environment Essential Elements of Positive Sports Environment

Role of Individual in Improvement of Sports Environment for Prevention of Sports Related Accidents

Role of Spectators and Media for Creating Positive Sports Environment

Unit 4 : Postures

Meaning and Concept of Correct Postures - Standing and Sitting

Advantages of Correct Posture

Common Postural Deformities - Knock Knee; Flat Foot; Round Shoulders; Lordosis, Kyphosis, Bow Legs and Scolioses

Physical Activities Corrective Measures

+ Game