UNIT – II

SYLLABUS OF

CLASS XI

ENGLISH CORE

HORNBILL

1. SILK ROAD [PROSE]
2. CHILDHOOD [POEM]
3. THE VOICE OF THE RAIN [POEM]

SNAPSHOTS

1. MOTHER'S DAY [PLAY]

COMPREHENSION

1. NOTE MAKING AND SUMMARY

WRITING SKILL

1. POSTER MAKING
2. CLASSIFIED ADVERTISEMENT.

CHEMISTRY SYLLABUS

Unit Test -II

CLASS -XI (SCIENCE) (2026-2027)

- Some Basic Concepts of Chemistry
- Structure of Atom
- Classification of Elements and Periodicity in Properties
- Chemical Bonding and Molecular Structure (up to the Hybridization)
- Redox Reactions
- Organic Chemistry – Some Basic Principles and Techniques.(Including reaction Mechanisms: Substitution, addition , Elimination reaction and rearrangement reactions)
- Hydrocarbons (Alkane: Preparation, properties ,reactions and uses)

Class : XI , Subject : Computer Science (083)

Unit Test : II [Syllabus] , 2026-2027

- **Lists** : Introduction, indexing, list operations (concatenation, repetition, membership and slicing), traversing a list using loops, built-in functions/methods–len( ), list( ), append( ), extend( ), insert( ), count( ), index( ), remove( ), pop( ), reverse( ), sort( ), sorted( ), min( ), max( ), sum( ); nested lists, suggested programs: finding the maximum, minimum, mean of numeric values stored in a list; linear search on list of numbers and counting the frequency of elements in a list.

- **Tuples:** Introduction, indexing, tuple operations (concatenation, repetition, membership and slicing); built-in functions/methods – len( ), tuple( ), count( ), index( ), sorted( ), min( ), max( ), sum( ); tuple assignment, nested tuple; suggested programs: finding the minimum, maximum, mean of values stored in a tuple; linear search on a tuple of numbers, counting the frequency of elements in a tuple.

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Syllabus for Unit-II Examination (2026-2027)

Class : XI Section : SCIENCE

Subject : PHYSICS (042)

UNIT	CHAPTER	TOPICS
UNIT-II	**CHAPTER-3:** MOTION IN A PLANE	• Scalar and vector quantities; • Position and displacement vectors • General vectors and their notations • Equality of vectors, multiplication of vectors by a real number • Addition and subtraction of vectors • Unit vector • Resolution of a vector in a plane • Rectangular components • Scalar and Vector product of vectors • Motion in a plane • Cases of uniform velocity and uniform acceleration- projectile motion, uniform circular motion.
UNIT-IV	**CHAPTER-5:** WORK, ENERGY, AND POWER	• Work done by a constant force and a variable force • Kinetic energy • Work- energy theorem • Power • Notion of potential energy • Potential energy of a spring • Conservative forces: non-conservative forces • Motion in a vertical circle • Elastic and inelastic collisions in one and two dimensions.
UNIT-VI	**CHAPTER-7:** GRAVITATION	• Kepler's laws of planetary motion • Universal law of gravitation • Acceleration due to gravity and its variation with altitude and depth • Gravitational potential energy and gravitational potential
UNIT-VIII	**CHAPTER-11:** THERMODYNAMICS	• Thermal equilibrium and definition of temperature • Zeroth law of thermodynamics • Heat, work and internal energy • First law of thermodynamics • Second law of thermodynamics: Thermodynamic state variable and equation of state • Change of condition of gaseous state: isothermal, adiabatic, reversible, irreversible, and cyclic processes. • Carnot cycle, heat engine and refrigerator
UNIT-X	**CHAPTER-13**: OSCILLATIONS	• Periodic motion • Time period, frequency • Displacement as a function of time • Periodic functions and their applications. • Simple harmonic motion (S.H.M) • Uniform circular motion and its equations of motion • Phase

SYLLABUS OF UT-2

SUBJECT: BIOLOGY

CLASS-XI

SESSION : 2026-27

- CHAPTER-9: BIOMOLECULES
- CHAPTER-11: PHOTOSYNTHESIS IN HIGHER PLANTS
- CHAPTER-15: BODY FLUIDS AND CIRCULATION

Class XI physical Education

Unit II

Syllabus

1. Test Measurements and Evaluation
2. Fundamentals of. Anatomy and physiology in sports.
3. Training and Doping in sports.

CLASS – XI

MATH

Algebra

1. Permutations and Combinations
2. Sequence and Series

Coordinate Geometry

3. Ellipse
4. Hyperbola

Calculus

5. Limits