

CLASS : XII , UNIT TEST : 1 (SYLLABUS) , STREAM : SCIENCE

SUBJECT : ENGLISH CORE

FLAMINGO

1. THE LAST LESSON
2. LOST SPRING
3. MY MOTHER AT SIXTY-SIX

VISTAS

1. THE THIRD LEVEL

WRITING SKILL

1. NOTICE
2. ARTICLE

SUBJECT : PHYSICS

UNIT	CHAPTERS	TOPICS
Unit-I: Electrostatics	Chapter-1: Electric Charges and Fields	Electric charges, Conservation of charge, Coulomb's law-force between two- point charges, forces between multiple charges; superposition principle and continuous charge distribution. Electric field, electric field due to a point charge, electric field lines, electric dipole, electric field due to a dipole, torque on a dipole in uniform electric field. Electric flux, statement of Gauss's theorem and its applications to find field due to infinitely long straight wire, uniformly charged infinite plane sheet and uniformly charged thin spherical shell (field inside and outside).
Unit-IV : Electromagnetic Induction and Alternating Current	Chapter-7 : Alternating Current	Alternating currents, peak and RMS value of alternating current/voltage; reactance and impedance; LCR series circuit (<u>phasors only</u>), resonance, power in AC circuits, power factor, <u>wattless current</u> . AC generator, Transformer
Unit-VI : Optics	Chapter-9 : Ray Optics and Optical Instruments	Reflection of light, spherical mirrors, mirror formula, refraction of light, total internal reflection and optical fibers, refraction at spherical surfaces, lenses, thin lens formula, lens maker's formula, magnification, power of a lens, combination of thin lenses in contact.

SUBJECT : CHEMISTRY

1. d and f block elements
2. Haloalkanes and Haloarenes

SUBJECT : MATHEMATICS

Unit-I: Relations and Functions

1. Inverse Trigonometric Functions

Unit:2- Algebra

1. Matrices

Unit:3- Calculus

1. Continuity and Differentiability

SUBJECT : PHYSICAL EDUCATION

Unit -1

1. Management of sporting Event
2. Children and woman in sports

SUBJECT : PSYCHOLOGY

- 1.Variations in Psychological Attributes
- 2.Self and Personality
- 3.Meeting Life Challenges

SUBJECT : COMPUTER SCIENCE

Unit 1: Computational Thinking and Programming - 2

- Revision of Python topics covered in Class XI.
- Functions: types of function (built-in functions, functions defined in module, user defined functions), creating user defined function, arguments and parameters, default parameters, positional parameters, function returning value(s), flow of execution, scope of a variable (global scope, local scope).

SUBJECT : HINDI

- * Bhakti (gadya)
- * Hari vansh Rai 'Bachhan' (kavya)
- * Rachnatmak lekhan

SUBJECT : BENGALI

UNIT 1

ADORINI (story)

PRARTHONA (poem)

KENO ELO NA (poem)

APINIHITI O AVISRUTI (Grammar)
