

**NOIDA PUBLIC SCHOOL
HALF YEARLY SYLLABUS (2024-25)
CLASS-XII (SCIENCE)**

English Core

Reading:

unseen passage

Creative Writing:

Formal/Informal Invitations and Replies, Notice, Editorial Letter, Job Application, Article writing

Literature

Flamingo:

1.Lost Spring

2.Deep Water

3.The Rattrap

4.A Thing of Beauty(Poem)

5.Keeping Quiet (Poem)

Vistas :

1.Tiger King

2. Journey to the end of the earth

Physics

Chapter–1: Electric Charges and Fields

Chapter–2: Electrostatic Potential and Capacitance

Chapter–3: Current Electricity

Chapter–4: Moving Charges and Magnetism

Chapter–5: Magnetism and Matter

Chapter–6: Electromagnetic Induction

Chapter–7: Alternating Current

Chapter–8: Electromagnetic Waves

Chemistry

Chapter 1. Solution

Chapter 2. Electrochemistry

Chapter 6 . Haloalkanes and Haloarenes

Chapter 7. Alcohols, Phenols and Ethers

Chapter 8.Aldehyde, ketones and Carboxylic Acids

Chapter 9:- Amines

Biology

Chapter 1 -Sexual reproduction in flowering plants.

Chapter 2- Human Reproduction.

Chapter 3- Reproductive Health.

Chapter 4 - Principles of Inheritance and Variations.

Chapter 5-Molecular Basis of Inheritance.

Chapter 7- Human Health and Diseases.

Chapter 8-Microbes in Human Welfare.

Mathematics

Chapter 1 : Relations and functions
Chapter 2 : Inverse trigonometric functions
Chapter 3 Matrices
Chapter 4 Determinants
Chapter 5 Continuity and Differentiability
Chapter 6 Applications Of Derivatives
Chapter 7 Integrals
Chapter 12 Linear Programming

Physical Education

Chapter 1 Management of Sporting events
Chapter 2 Children and women in Sports
Chapter 3 Yoga as preventive measures for life style disease
Chapter 4 Physical education for CWSN
Chapter 5 Sports and Nutrition
Chapter 6 Test and measurement in Sports

Computer Science

Chapter 1 – Python Revision Tour -1
Chapter 2- Python Revision Tour- 2 Practicals
Chapter 3- Working with Functions & Exception Handling
Chapter 5- File Handling- Text Files, Binary Files & CSV Files
Chapter 9 – Data Structure II- Stack Communication & Network Concepts