**NOIDA PUBLIC SCHOOL**

**HALF YEARLY SYLLABUS (2024-25)**

**CLASS XI (SCIENCE)**

**English Core**

Unseen passages, Note making

Writing - Advertisement, Poster designing, Speech writing

Grammar- Editing/ Omission, Reordering of sentence

Literature

Hornbill - We're not afraid to die.., Discovering Tut saga continues.., The Adventure, Voice of the Rain, The Laburnum Top

Snapshots- - The Address, Birth

**Physics**

Chapter 1 – Units and Measurement.

Chapter 2 – Motion in a Straight Line.

Chapter 3 – Motion in a Plane.

Chapter 4 – Laws of Motion.

Chapter 5 – Work , Energy and Power.

Chapter 6 – System of Particles and Rotational Motion.

Chemistry

Chapter 1. Some Basic Concepts of Chemistry

Chapter 2. Structure of Atom

Chapter 3. Classification of Elements and Periodicity in Properties

Chapter 4:- Chemical Bonding and Molecular Structure

Chapter 5:- Chemical Thermodynamics

**Mathematics**

Chapter 1 - Sets.

Chapter 2 - Relations and Functions.

Chapter 3 - Trigonometric Functions.

Chapter 4 - Complex Numbers and Quadratic Equations.

Chapter 5 - Linear inequalities

Chapter 6 - Permutations and Combinations

**Biology**

Chapter 1. living world

Chapter 2. Biological classification

Chapter 3.Plant Kingdom

Chapter 4. Animal Kingdom

Chapter 5.Morphology of flowering plants

Chapter 14. Breathing and exchange of gases

Chapter 15.Body fluids and circulation

Chapter 16.Excretory products and their elimination

**Computer science**

Chapter 1 Computer System Over view

Chapter 2 Data Representation

Chapter 3 Boolean Logic

Chapter4 Introduction to Problem Solving

Chapter 5 Getting Started with Python

Chapter 6 Python Fundamentals

Chapter 7 Data Handling

**Physical Education**

Chapter 1 Changing trends and career in Physical education

Chapter 2 Olympic Value education

Chapter 3 yoga

Chapter 4 Physical education and Sports for Children with special needs

**Psychology**

Chapter 1 What is Psychology?

Chapter 2 Methods of Enquiry in Psychology

Chapter 3 Human Development

Chapter 4 Sensory, Attentional and Perceptual Processes