

**CLASS XI-B**  
**HALF YEARLY EXAMINATION SYLLABUS**

**English**

**Reading**

Unseen passage

Note making

Grammar and writing

Tenses, Transformation of sentences: direct/ Indirect speech, simple, compound, complex sentences, Clauses

Writing classified Advertisements, speech writing, poster designing

**Literature**

Hornbill:

The portrait of a lady

A photograph

We're not afraid to die....together

The Laburnum top

The voice of the Rain

Discovering Tut...saga continues

Childhood

Snapshots

The summer of the beautiful white horse

The address

Mother's day

**Physics**

Ch-1: units and measurement

Ch-2: Motion in straight line

Ch-3: Motion in Plane

Ch-4: Laws of Motion

Ch-5: Work, energy and power

Ch-6: System of particles and Rotational Motion

Ch-7: Gravitation

**Chemistry**

Ch-1 Some Basic Concepts of chemistry

Ch -2 Structure of atoms

Ch-3 Classification of elements and periodicity in properties

Ch-4 Chemical Bonding and Molecular structure

Ch-5 Thermodynamics

Ch- 7 Redox reactions

**Biology**

Ch 8 Cell: The Unit of Life

Ch 9 Biomolecules

Ch 14 Breathing and Exchange of Gases

Ch 15 Body Fluids and Circulation

Ch 16 Excretory Products and their Elimination

Ch 17 Locomotion and Movement

Ch 18 Neural Control and Coordination

Ch 19 Chemical Coordination and Integration

## **Mathematics**

1. Sets
2. Relations & Functions
3. Trigonometric Functions
4. Complex Numbers
5. Linear Inequalities
6. Permutations & Combinations
7. Binomial Theorem
8. Sequence & Series

## **Computer Science**

Chapter 5 getting started with python  
Chapter 6 fundamentals of python  
Chapter 7 data handling  
Chapter 9 flow of control  
Chapter 4 introduction of problem solving  
Chapter 8 python modules

## **Physical Education**

UNIT 1 Changing Trends & Career in Physical Education  
UNIT 2 Olympic Value Education  
UNIT 3 Yoga  
UNIT 4 Physical Education & Sports for CWSN  
UNIT 5 Physical Fitness, Wellness

## **Psychology**

Ch 1: what is psychology?  
Ch 2: Methods of Enquiry in psychology  
Ch 3: Human development  
Ch 4: Sensory, Attentional & Perceptual Processes

## **Painting**

Chapter 1: Introduction to art  
Chapter 2: pre-historic rock paintings  
Chapter 3: art of Indus valley  
Chapter 4: Introduction of art during Mauryan and Gupta Period  
Chapter 5: introduction to Ajanta

## **Economics**

Micro economics  
Ch- introduction  
Ch- consumer equilibrium  
Ch- Demand and elasticity of demand  
Ch- production function and revenue  
Statistics  
Ch- Introduction  
Ch- mean, median and mode  
Ch- Correlation