



**Grade XII**  
**Half yearly syllabus (2024-25)**

**English**

**Reading:**

Comprehension

**Writing:**

Notice Writing ,Article Writing,Letter to Editor, Application for a job with biodata/resume,  
Formal and Informal Invitation and Replies.

**Literature**

**Flamingo**

Chapter1: The Last Lesson

Chapter2: Lost Spring

Chapter3: Deep Water

Chapter4: The Rattrap

Chapter5: Indigo

Chapter6: Poets and Pancakes

**Poems**

1. My Mother at Sixty-Six

2. Keeping Quiet

3. A Thing of Beauty

**Vistas**

Chapter1: The Third Level

Chapter 2: The Tiger King

**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

Chapter 9 - Ray Optics and Optical Instruments

## **Biology**

Chapter-2: Sexual Reproduction in Flowering Plants  
Chapter-3: Human Reproduction  
Chapter-4: Reproductive Health  
Chapter-5: Principles of Inheritance and Variation  
Chapter-6: Molecular Basis of Inheritance  
Chapter-7: Evolution

## **Chemistry**

Unit I: Solutions  
Unit II: Electrochemistry  
Unit III: Chemical Kinetics  
Unit IV: d and f Block Elements  
Unit V: Coordination Compounds  
Unit VI: Haloalkanes and Haloarenes.  
Unit IX: Amines

## **Mathematics**

Chapter 1: Relation and Function  
Chapter 2: Inverse Trigonometric Function  
Chapter 3: Matrices  
Chapter 4: Determinants  
Chapter 5: Continuity and Derivatives  
Chapter 6: Application of Differentiation  
Chapter 7: Integrals  
Chapter 8: Application of Integrals

## **Applied Mathematics**

Chapter 1: Numbers, Quantification and Numerical Applications  
Chapter 2: Numerical Inequalities  
Chapter 3: Matrices  
Chapter 4: Determinants  
Chapter 5: Differentiation  
Chapter 6: Application of Differentiation  
Chapter 7: Integrals  
Chapter 9: Probability

## **Accountancy**

Chapter 1: Financial Statements of a Company  
Chapter 2: Financial Statements Analysis  
Chapter 3: Accounting Ratios  
Chapter 4: Cash Flow Statement  
Chapter 5: Comparative and Common-Size Financial Statements  
Chapter 6: Accounting for Share Capital  
Chapter 7: Issue of Debentures

## **Business Studies**

### **Part-A**

- Chapter 1: Nature and Significance of Management
- Chapter 2: Principles of Management
- Chapter 3: Business Environment
- Chapter 4: Planning
- Chapter 5: Organising
- Chapter 6: Staffing
- Chapter 7: Directing
- Chapter 8: Controlling

## **Economics**

### **Part- A**

- Introductory Macroeconomics
- Chapter 1 Introduction
- Chapter 2 Some basic concepts of macroeconomics
- Chapter 5 Money and its functions
- Chapter 6 Banking
- Chapter 7 Aggregate demand and aggregate supply and related concepts
- Chapter 8 Short Run equilibrium
- Chapter 9 Problem of deficient demand and excess demand
- Chapter 10 Government Budget and the economy

### **Part B**

- Indian Economy
- Chapter 1 Indian Economy on the eve of independence
- Chapter 2 Indian Economy (1950-1990)
- Chapter 3 Economic Reforms since 1991

## **Psychology**

- Chapter 1- Variations in Psychological Attributes
- Chapter 2- Self and Personality
- Chapter 3- Meeting Life Challenges
- Chapter 4- Psychological Disorders

## **Political Science**

- Chapter 1: End of Bipolarity
- Chapter 2: Contemporary centres of power
- Chapter 3: Contemporary South Asia
- Chapter 4: International Organisations
- Chapter 5: Security in Contemporary World
- Chapter 6: Environment
- Chapter 7: Globalisation
- Chapter 8: Challenges to Nation Building

## **Computer Science**

Chapter 1: Review of Python Basics

Chapter 2: Functions

Chapter 3: Exception handling

Chapter 6: Computer Networks

Chapter 7: Relational Database and SQL

## **Physical Education**

Unit I Management of Sporting Events

Unit II Children & Women in Sports

Unit III Yoga as Preventive measure for Lifestyle Disease

Unit IV Physical Education & Sports for CWSN (Children with Special Needs - Divyang)

Unit V Sports & Nutrition

Unit VI Test & Measurement in Sports

Unit VII Physiology & Injuries in Sports

## **Artificial Intelligence**

### **Part A**

Chapter 1: Communication skills-IV

Chapter 2: Self-management skills-IV

### **Part B**

Chapter 1: Capstone Project

Chapter 2: Model Lifecycle

## **Painting**

1. Fundamental of visual art: Elements and Principles

2. Six limbs

3. History of Indian miniature painting

4. Method, tools and material

5. Rajasthani school of miniature painting

6. Pahari school of miniature painting

7. Mughal of school art

8. Deccan school of art

9. Indian National Flag and The BENGAL school of paintings

10. The Modern trends in Indian art (painting, sculpture and graphic-print)

## Music

1. Definitions : Alankar, Gram, Murchhana, Alaap, Taan, Meend, Kan, Gamak.
2. Taal : Rupak Taal and Jhap Taal. (introduction and notation in with ek gun, dugun, tigon and chaugun).
3. Ragas : Bhairav, Bageshree and Malkauns (introduction and notation in one Razakhani gat in all the ragas and one Maseetkhani gat in Raga Bageshree ).
4. Deatail study of Sangeet Ratnakar, Sangeet Parijat and time Theory of raagas.
5. Life sketch and contribution towards music of Ustaad Enayat Khan and Ustad Mushtaq Ali Khan.

## Dance

- Definition:- Angahara, Lokdharmi, Natyadharmi, Bhramri, Vandana, Amad, Laya, Tihayii, Vandana, Paran
- Dances:- Bharatnatyam, Manipuri, Odissa, Kathakali.
- Gharana:- Lukhnow, Jaipur, Banaras.
- Long question:- Abhinay and its types, Costume And Makeup, Importance Of Ghungroo, Upaj And Chakra  
How many types of Rasa, write the names of rasa.
- Taal :- Teen Taal, Dhamaar Taal, Rupak Taal, Jhap Taal.  
Notation Of Tora , Amad, That In Teen Taal.

## Punjabi

- ਪਾਠ 1. ਚੁੰਮ ਚੁੰਮ ਰੱਖੋ  
ਪਾਠ 2. ਵਾਰਸ ਸ਼ਾਹ  
ਪਾਠ 3. ਮੇਰਾ ਬਚਪਨ  
ਪਾਠ 4. ਗੀਤ  
ਪਾਠ 5. ਸਾਂਝ  
ਪਾਠ 6. ਨੀਲੀ  
ਪਾਠ 7. ਪੰਜਾਬ ਦੇ ਮੇਲੇ ਤੇ ਤਿਉਹਾਰ  
ਪਾਠ 8. ਪੰਜਾਬ ਦੇ ਰਸਮ ਰਿਵਾਜ  
ਵਿਆਕਰਨ  
1. ਵਾਕ ਵਟਾਂਦਰਾ  
2. ਅਖਾਣ  
ਲਿਖਣ ਕੌਸ਼ਲ  
1. ਪੱਤਰ  
2. ਪੈਰਾ ਰਚਨਾ  
3. ਅਣਡਿੱਠਾ ਪੈਰਾ

### **Note:**

**The Question Paper for the Half Yearly Examination will be based on the blueprint issued by CBSE.**