

**GURU AMAR DASS PUBLIC SCHOOL**  
**SYLLABUS (2024-25)**  
**CLASS-XII**

**ENGLISH**

**Books prescribed :**

**1 FLAMINGO**

**2 VISTAS**

**NCERT**

**NCERT**

**April**

**Flamingo**

Chapter 1 : The Last Lesson

2: Lost Spring

Poem 1. My Mother at sixty-six

Reading Section : Comprehension of unseen passages

**Creative Writing Skills**

Drafting a formal and informal invitation, Reply to an invitation

**May**

**Flamingo**

Chapter 3 : Deep Water

Poem 2: Keeping Quiet

**Vistas**

Chapter 1 : The Third Level

**Creative Writing Skills**

Letter writing (formal), Job Application

**Unit Test 1 (Syllabus)**

**Flamingo**

Chapter 1: The Last Lesson, Chapter 2 : Lost Spring, Poem 1: My Mother at Sixty-six,

Drafting an invitation

**July**

**Flamingo**

Chapter 3 : Deep Water

Chapter 4 : The Rattrap

Poem 3 : A Thing of Beauty

**Creative Writing Skills**

Notice

Letter to Editor

**August**

Chapter 5: Indigo

Poem 4: A Roadside Stand

**Vistas**

Chapter 2 : The Tiger King

## **Creative Writing Skills**

Report Writing

Article Writing

## **September**

### **First Terminal Examination and Practicals**

## **October**

### **Flamingo**

Poem 5 : Aunt Jennifer's Tigers

Chapter 6 : Poets and Pancakes

Chapter 7: The Interview

Chapter 8 : Going Places

## **November**

### **Vistas**

Chapter 3 : Journey to the end of the earth

Chapter 4 : The Enemy

Chapter 5 : On the face of it

Chapter 6 : Memories of Childhood

### **Creative Writing Skills**

Short and Long writing tasks

## **December**

### **Revision and Pre board Examination**

## **January and February**

### **Revision**

### **Annual Board Practical Examination**

### **Annual Board Examination**

## **PUNJABI**

### **ਭਾਸ਼ਾ**

ਅਡਵਾਂਸ ਪੜ੍ਹਨ ਕੌਸ਼ਲ

(1) ਅਣਡਿੱਠਾ ਪੈਰਾ (Unseen Passage) :

ਜਾਣਕਾਰੀ ਭਰਪੂਰ ਇੱਕ ਅਣਡਿੱਠਾ ਪੈਰਾ ਤੇ ਉਸ ਨਾਲ ਸੰਬੰਧਿਤ 8 ਬਹੁ-ਵਿਕਲਪੀ ਪ੍ਰਸ਼ਨ

ਪ੍ਰਭਾਵਸ਼ਾਲੀ ਲਿਖਣ-ਕੌਸ਼ਲ

(2) ਕਾਰ-ਵਿਹਾਰ ਦੇ ਪੱਤਰ (ਚੋਣ ਆਧਾਰਿਤ)

(3) ਦਿੱਤੇ ਗਏ ਵਿਸ਼ੇ 'ਤੇ (125 ਤੋਂ 150 ਸ਼ਬਦ) ਪੈਰਾ-ਰਚਨਾ ਕਰਨਾ (ਚੋਣ ਆਧਾਰਿਤ)

## ਵਿਹਾਰਕ ਵਿਆਕਰਨ

(4) ਵਾਕ-ਵਟਾਂਦਰਾ (ਅਤਿ ਛੋਟੇ ਪ੍ਰਸ਼ਨ) ਚੋਣ ਆਧਾਰਿਤ

(ਲਾਜ਼ਮੀ ਪੰਜਾਬੀ 12 ਪਾਠ-ਪੁਸਤਕ 'ਤੇ ਆਧਾਰਿਤ)

(5) ਅਖਾਣ/ਅਖਾਉਤਾਂ : ਵਰਤ ਕੇ ਸਥਿਤੀ ਸਪਸ਼ਟ ਕਰਨਾ (ਚੋਣ ਆਧਾਰਿਤ)

(ਲਾਜ਼ਮੀ ਪੰਜਾਬੀ 12 ਪਾਠ-ਪੁਸਤਕ ਵਿੱਚ ਦਰਜ ਅਖਾਣ/ਅਖਾਉਤਾਂ 'ਤੇ ਆਧਾਰਿਤ)

## ਸਾਹਿਤ

(6) ਕਵਿਤਾ

(ੳ) ਦਿੱਤੀਆਂ ਗਈਆਂ ਦੋ ਕਾਵਿ-ਟੁਕੜੀਆਂ ਵਿੱਚੋਂ ਕਿਸੇ ਇੱਕ ਦੀ ਪ੍ਰਸੰਗ ਸਹਿਤ ਵਿਆਖਿਆ

(ਅ) ਬਹੁ-ਵਿਕਲਪੀ 4 ਪ੍ਰਸ਼ਨ

(7) ਕਹਾਣੀਆਂ

(ੳ) ਵਿਸ਼ਾ, ਚਰਿੱਤਰ-ਚਿਤਰਨ, ਆਲੋਚਨਾਤਮਿਕ ਸਾਰ ਸੰਬੰਧੀ (125-150 ਸ਼ਬਦ) ਚੋਣ ਆਧਾਰਿਤ

(ਅ) ਬਹੁ-ਵਿਕਲਪੀ 5 ਪ੍ਰਸ਼ਨ

(ੲ) ਛੋਟੇ ਉੱਤਰ ਵਾਲੇ 4 ਪ੍ਰਸ਼ਨ (25-30 ਸ਼ਬਦਾਂ ਵਿੱਚ) ਚੋਣ ਆਧਾਰਿਤ

(8) ਪੰਜਾਬੀ ਸੱਭਿਆਚਾਰ ਦੀ ਜਾਣ-ਪਛਾਣ

(ੳ) ਬਹੁ-ਵਿਕਲਪੀ 5 ਪ੍ਰਸ਼ਨ

(ਅ) ਸੰਖੇਪ ਉੱਤਰ ਵਾਲੇ ਪ੍ਰਸ਼ਨ (70-80 ਸ਼ਬਦਾਂ ਵਿੱਚ) ਚੋਣ ਆਧਾਰਿਤ

## PHYSICS

### April

Unit 1 Electrostatics

### May

Unit 2 Current electricity

Unit 3 Magnetic effects of current

### UNIT TEST I

### July

Unit 4 E M I and Alternating current

### August

Unit 5 Electromagnetic waves

Unit 6 Ray optics and wave optics

## **September**

Unit 6 continue

### **First Terminal Examination**

## **October**

Unit 7 Dual nature of light and matter

Unit 8 Atoms and Nuclei

## **November**

Unit 9 Semiconductors and Electronic devices

**DECEMBER** Revision of whole syllabus

### **UNIT TEST II**

**JANUARY** Annual Practical Examination

**FEBRUARY / March** Final Examination

## **CHEMISTRY**

### **APRIL-**

Unit 8 Aldehyde , Ketone and carboxylic acid

Unit 7 Alcohol, Phenol and Ethers

### **MAY-**

Unit 4 d and f block elemnts

Unit 10 Biomolecules

### **UNIT TEST I**

### **JULY-**

Unit 5 Co- ordination compounds

### **AUGUST-**

Unit 1 Solutions

Unit 6 Haloalkane and Haloarene

### **SEPTEMBER-**

Unit 3 chemical kinetics

### **First Terminal Examination**

### **OCTOBER. -**

Unit 9 amines

### **NOVEMBER-**

Unit 2 Electrochemistry

**DECEMBER** Revision of whole syllabus

### **UNIT TEST II**

**JANUARY** Annual Practical Examination

**FEBRUARY / March** Final Examination

# **BIOLOGY**

## **APRIL**

UNIT VI (REPRODUCTION)

CH-1-SEXUAL REPRODUCTION

CH-2: HUMAN REPRODUCTION

CH-3 -REPRODUCTIVE HEALTH

## **MAY**

UNIT VII (GENETICS AND EVOLUTION)

CH-4: PRINCIPLE OF INHERITANCE AND VARIATION

CH-5: MOLECULAR BASIS OF INHERITANCE

## **UNIT TEST I**

CH-1: SEXUAL REPRODUCTION IN PLANTS

CH-2: HUMAN REPRODUCTION

CH-3: REPRODUCTIVE HEALTH.

## **JULY**

CH-6-EVOLUTION

UNIT IX-(BIOLOGY AND HUMAN WELFARE)

CH-7- HUMAN HEALTH & DISEASES

CH-8-MICROBES IN HUMAN WELFARE.

## **AUGUST**

UNIT VIII (BIOTECHNOLOGY AND ITS APPLICATIONS )

CH-9- BIOTECHNOLOGY:PRINCIPLE AND PROCESSES

CH-10-APPLICATION OF BIOTECHNOLOGY

SEPTEMBER- FIRST TERM EXAMINATION

## **OCTOBER**

UNIT X -(ECOLOGY & ENVIRONMENT)

CH-11- ORGANISM AND POPULATION

CH 12- ECOSYSTEM

CH 13- BIODIVERSITY AND ITS CONSERVATION.

## **NOVEMBER:**

REVISION AND UNIT TEST II

CH-11- ORGANISM AND POPULATION

CH 12- ECOSYSTEM

CH 13- BIODIVERSITY AND ITS CONSERVATION.

DECEMBER: PRE BOARD EXAMINATION

JANUARY: PRE BOARD EXAMINATION

FEBRUARY:FINAL PRACTICAL EXAMINATION

MARCH:ANNUAL EXAMINATION.

## **CORE MATHEMATICS**

### **April**

Chapter 1-Relations And Functions

Chapter 3-Matrices

Chapter 4-Determinants

### **May**

Chapter 2-Inverse Trigonometric Functions

Chapter 5- Continuity and Differentiation

Chapter 6-Application Of Derivatives

Syllabus Of Unit Test I(May)

Chapter 1- Relations And Functions

Chapter 3-Matrices

Chapter 4-Determinants

### **July**

Chapter 7- Integrals

### **August**

Chapter 8- Application of Integrals

Chapter 12-Linear Programming

September- First Terminal Examination

Second Term ( October to March)

### **October-**

Chapter 9-Differential Equations

Chapter 10- Vector Algebra

### **November**

Chapter 11-Three Dimensional Geometry

Chapter 13- Probability

### **December- Pre- Board Examination**

### **January**

Revision/Annual Board Practicals

February-Annual Board Examination

March- Annual Board Examination

## **APPLIED MATHEMATICS**

### **April**

Chapter 1)- Numbers, Quantification and Numerical Applications

Chapter 2) Numerical Inequalities

Chapter 3)-Matrices

### **May**

Chapter 4) Determinants

Chapter 5) Differentiation

### **Syllabus of Unit Test I**

Chapter 1) Numbers, Quantification and Numerical Applications

Chapter 2) Numerical Inequalities

Chapter 3) Matrices

### **July**

Chapter 6) Applications of Derivatives

### **August**

Chapter 7) Integrals

Chapter 14) Linear Programming

### **September**

First Terminal Examination

### **October**

Chapter 8) Differential Equations

Chapter 9) Probability

Chapter 10) Inferential Statistics

### **November**

Chapter 11) Time- Based Data

Chapter 12) Perpetuity, Sinking Funds and EMI

Chapter 13) Returns, Growth and Depreciation

### **December**

Pre-Board Examination

### **January**

Revision and Annual Board Practical Examination

### **February**

Annual Board Examination

## **ACCOUNTANCY**

### **BOOKS PRESCRIBED:**

1. T.S Gerewal volume1
2. T.S Gerewal Volume2
3. T.S Gerewal Volume3
4. NCERT

### **April:**

- 1.Partnership fundamental
- 2.Change in profit sharing ratio

**May:**

1. Goodwill
  2. Admission of partnership
- Unit test 1

**July:**

1. Retirement of partnership
2. Death of partner
3. Dissolution of partnership

**August:**

- Ratio analysis  
Tools and techniques of financial statement

**September:**

- Revision  
First term examination

**October:**

- Share capital (company accounts)  
Issue of debenture

**November:**

- Cash flow statement

**December:**

- Revision

## **BUSINESS STUDIES**

**BOOKS PRESCRIBED:**

1. R.K SINGLA BOOK
2. NCERT

**APRIL:**

- Nature and Significance of Management  
Principles of Management

**MAY:**

- Business Environment  
Unit Test I

**JULY:**

- Planning  
Organising  
Staffing

**AUGUST:**

- Directing  
Controlling  
Marketing Management

**SEPTEMBER**

- Revision and First Term Examination



## **OCTOBER:**

Financial Management

Financial Market

Consumer Protection

## **NOVEMBER:**

Revision

## **DECEMBER:**

Pre-board Examination

## **JANUARY:**

Annual Practical Examination

## **FEBRUARY:**

Board examination

# **ECONOMICS**

## **Part A: Introductory Macroeconomics**

### **Unit 1: National Income and Related Aggregates**

What is Macroeconomics?

Basic concepts in macroeconomics: consumption goods, capital goods, final goods, intermediate goods; stocks and flows; gross investment and depreciation.

Circular flow of income (two sector model); Methods of calculating National Income - Value Added or Product method, Expenditure method, Income method.

Aggregates related to National Income:

Gross National Product (GNP), Net National Product (NNP), Gross Domestic Product (GDP) and Net Domestic Product (NDP) - at market price, at factor cost; Real and Nominal GDP

GDP Deflator, GDP and Welfare

### **Unit 2: Money and Banking**

Money – meaning and functions, supply of money - Currency held by the public and net demand deposits held by commercial banks.

Money creation by the commercial banking system.

Central bank and its functions (example of the Reserve Bank of India): Bank of issue, Govt. Bank, Banker's Bank, Control of Credit through Bank Rate, Cash Reserve Ratio (CRR), Statutory Liquidity Ratio (SLR), Repo Rate and Reverse Repo Rate, Open Market Operations, Margin requirement.

### **Unit 3: Determination of Income and Employment**

Aggregate demand and its components.

Propensity to consume and propensity to save (average and marginal).

Short-run equilibrium output; investment multiplier and its mechanism.

Meaning of full employment and involuntary unemployment.

Problems of excess demand and deficient demand; measures to correct them - changes in government spending, taxes and money supply.

### **Unit 4: Government Budget and the Economy**

Government budget - meaning, objectives and components.

Classification of receipts - revenue receipts and capital receipts;

Classification of expenditure – revenue expenditure and capital expenditure.

Balanced, Surplus and Deficit Budget – measures of government deficit.

## Unit 5: Balance of Payments

Balance of payments account - meaning and components;

Balance of payments – Surplus and Deficit

Foreign exchange rate - meaning of fixed and flexible rates and managed floating.

Determination of exchange rate in a free market, Merits and demerits of flexible and fixed exchange rate.

Managed Floating exchange rate system

## Part B: Indian Economic Development

### Unit 6: Development Experience (1947-90) and Economic Reforms since 1991:

A brief introduction of the state of Indian economy on the eve of independence.

Indian economic system and common goals of Five Year Plans.

Main features, problems and policies of agriculture (institutional aspects and new agricultural strategy), industry (IPR 1956; SSI – role & importance) and foreign trade.

#### **Economic Reforms since 1991:**

Features and appraisals of liberalisation, globalisation and privatisation (LPG policy);

Concepts of demonetization and GST

### Unit 7: Current challenges facing Indian Economy

**Human Capital Formation:** How people become resource; Role of human capital in economic development; Growth of Education Sector in India

**Rural development:** Key issues - credit and marketing - role of cooperatives; agricultural diversification; alternative farming - organic farming

**Employment:** Growth and changes in work force participation rate in formal and informal sectors; problems and policies

**Sustainable Economic Development:** Meaning, Effects of Economic Development on Resources and Environment, including global warming

### Unit 8: Development Experience of India:

A comparison with neighbours

India and Pakistan

India and China

Issues: economic growth, population, sectoral development and other Human Development Indicators

## Part C: Project in Economics

### Prescribed Books:

1. Statistics for Economics, NCERT
2. Indian Economic Development, NCERT
3. Introductory Microeconomics, NCERT
4. Macroeconomics, NCERT
5. Supplementary Reading Material in Economics, CBSE

**Note:** The above publications are also available in Hindi Medium.

## **POLITICAL SCIENCE**

A- Contemporary World Politics

B-Politics in India Since Independence

### **April**

- 1 The End of Bipolarity (Part-A)
- 2 Contemporary Centres of Power (Part-A)
- 1 Challenges of Nation-Building(Part -B)

### **May**

- 3 Contemporary South Asia. (Part-A)
- 4 International Organizations. (Part-A)
2. The Era of One-Party Dominance (Part-B)

### **Unit Test I**

The End of Bipolarity (Part-A )

Challenges of Nation Building(Part-B)

### **July**

- 5 Security in the Contemporary World (Part-A )
- 6 Environment and Natural Resources (Part-A)
3. Politics of Planned Development (Part-B)
- 4 India's External Relations

### **August**

- 7 Globalisation (Part-A)
5. Challenges to and Restoration of the Congress System(Part-B)
- 6 The Crisis of Democratic Order(Part-B)

### **September 1st Term Examination**

#### **October**

7. Regional Aspirations (Part-B)
- 8.Recent Developments in Indian Politics(Part-B)

#### **November- Unit test -II**

- 7.Regional Aspirations (Part-B)
- 8.Recent Developments in Indian Politics(Part-B)

December-Pre Board Examination

January-final Board Practical's

February- Board Examination

## **GEOGRAPHY**

April:

Book1:

1. Population: Distribution, Density, Growth and composition
2. Human Settlements
3. Land Resources and Agriculture.

Practical:

1. Data - 91's sources

May:-

4. Water Resources
5. Mineral and Energy Resources
6. Planning and sustainable Development.

Practical:

2. Data Processing

July:-

7. Transport and communication.
8. International Trade.

Practical:

3. Graphical Representation of Data

August

1. Human Geography - Nature & scope
2. The World Population Distribution - Density and Growth.
3. Human Development.

Practical spatial information Technology.

September:

4. Primary activities
5. Secondary activities.
6. Tertiary and Quaternary activities.

October:

7. Transport, communication and Trade. 8. International Trade.

November:

4. Geographical Perspective on some selected issues.

Practical : Revision : Data - its sources.

2. Data processing

December - Revision.

January:- Revision

February :Revision.

March: Board Examination

## **HISTORY**

Books Recommended-

Themes in Indian History-I

Themes in Indian History-II

Themes in Indian History-III

First Term- April to September

**April**-1) Brick, Beads and Bones

2) Kings, Farmers, and Towns

**May**

3) Kinship, Caste and Class

4) Thinkers, Beliefs and Buildings

First unit Test: Chapter 1 & 2

**July-**

- 5) Through the eyes of Travellers
- 6) Bhakti and Sufi Tradition
- 7) An Imperial Capital- Vijaynagar
- 8) Peasants , zamindars and the state

**September- First Term Examination**

Chapter-1,2,3,4,5,6,7

Term II- October-February

**October-**

- 9) colonialism and the countryside
- 10) Rebels and Raj

**November-**

- 11) Mahatma Gandhi and the National Movement
- 12) Framing The constitution

**December-IIInd unit Test & Revision****Jan-Feb- Pre-Board- Whole Syllabus****COMPUTER SCIENCE****BOOKS PRESCRIBED:**

PYTHON - SULTAN CHAND

**APRIL:**

1. Review of Python Basics
2. Functions

**MAY:**

4. Data File Handling

**JULY:**

5. Program Efficiency
6. Data Structures in Python

**AUGUST:**

7. Computer Networks
8. Relational Database and SQL
9. Interface Python with SQL

**SEPTEMBER:**

First Terminal Examination

**OCTOBER:**

Practical

Revision

**NOVEMBER:**

Practical

Revision

**DECEMBER:**

Practical Revision

Pre-Board Examination

**JANUARY:**

Revision & Board Practical Examination

**FEBRUARY:**

CBSE Board Examination

**PHYSICAL EDUCATION**

**April**

Unit I: Management Of Sports Events

**May**

Unit 2: Children And Women In Sports

Unit 3: Yoga As Preventive Measures For Lifestyle Disease

**Unit Test-I**

Unit: 1, 2, 3

**July**

Unit 4: Physical Education And Sports For CWSN

**August**

Unit 5: Sports And Nutrition

Unit 6: Test And Measurement In Sports

**September**

First Terminal Examination

Unit: 1, 2, 3, 4, 5, 6

**October**

Unit 7: Physiology And Injuries In Sports

Unit 8: Biomechanics And Sports

**November**

Unit 9: Psychology And Sports

Unit 10: Trainig In Sports

**December**

Pre-Board Examination

**January**

Revision And Board Practicals

**February/March**

Board Examination