

## XII SYLLABUS OF HALF YEARLY EXAMINATION

### ***Biotechnology syllabus***

1. Recombinant DNA technology
2. Protein Structure and Engineering
3. Genomics and Bioinformatics
4. Microbial cell culture and its application
5. Animal cell culture and application

### **Mathematics**

1. Relation and Function
2. Inverse Trigonometric function
3. Matrix
4. Determinant
5. Continuity and Differentiability
6. Application of Derivatives
7. Integrals
8. Application of Integrals

### PHYSICAL EDUCATION

Unit 1 to 7

### **CHEMISTRY**

1. Haloalkanes & Haloarenes
2. Alcohols, phenols & ethers
3. Aldehydes, ketones & Carboxylic acids
4. Amines & Benzene diazonium Chloride
5. Biomolecules

## **Physics**

1. Electrostatics
2. Current electricity
3. Optics
4. Dual nature of radiation and matter
5. Atoms and nuclei

## **History**

1. Bricks, beads and bones
2. Kings, farmers and towns
3. Kinship, caste and class
4. Thinkers, beliefs and buildings
5. Through the eyes of travellers
6. Bhakti Sufi traditions
7. An imperial capital Vijayanagara
8. Peasants, zamindars and the state

## **Geography class XII( Total 11 chapters)**

### BOOK FUNDAMENTALS OF HUMAN GEOGRAPHY

- 1) Human Geography: nature and scope
- 2) World population, distribution, density, growth
- 3) Human Development
- 4) Primary Activities
- 5) Secondary Activities
- 6) Tertiary and Quarernary Activities

### BOOK: INDIA PEOPLE AND ECONOMY

- 1) Population: Distribution, density, growth and Composition

- 2) Human Settlements
- 3) Land Resources and Agriculture
- 4) Water Resources
- 5) Planning and Sustainable Development in Indian Context

### **ENGLISH CORE**

UNSEEN PASSAGES

CASE STUDY BASED PASSAGES

NOTICES

CARD FORMAT INVITATION

ARTICLE WRITING

LETTER TO EDITOR

CHAPTERS FROM LITERATURE READER- 1, 2, 3 and 4

SUPPLEMENTARY READER- CHAPTER 1, 2 and 3

POEM- 1, 3, and 4

### **XII IP**

REVIEW OF PYTHON XI

DATA HANDLING SERIES

DATA FRAME

COMPUTER NETWORKING

DBMS

SQL

SOCIAL IMPACTS

### **XII CS**

REVIEW OF XI PYTHON

FUNCTION

TEXT FILE

BINARY FILE

CSV FILES

NETWORKING

DBMS

SQL

**Business Studies**

1. Nature and significance of management
2. Principles of management
3. Business Environment
- 4 Planning
5. Organising
6. Staffing
7. Directing
8. Controlling

**SUBJECT- Accountancy**

- 1 . Accounting for Partnership Firms - Fundamentals
2. Change in Profit sharing ratio
3. Admission of a partner
4. Retirement of a partner
- 5 Financial Statements of Companies
- 6 Financial Statements Analysis
- 7 Accounting Ratios
8. Cash Flow Statement

