

HALF YEARLY SYLLABUS (2017-18)

CLASS XII

CHEMISTRY

1. SOLUTIONS
2. ELECTRO CHEMISTRY
3. CHEMICAL KINETICS
4. SURFACE CHEMISTRY
5. GENERAL PRINCIPLES AND PROCESSES OF ISOLATION OF ELEMENTS
6. THE p BLOCK ELEMENTS
7. HALOALKANES AND HALOARENES
8. ALCOHOLS, PHENOLS AND ETHERS
9. ALDEHYDES, KETONES AND CARBOXYLIC ACIDS

Psychology

1. Variations in psychological attributes
2. Self and personality
3. meeting life challenges
4. psychological disorder
5. therapeutic approaches

BUSINESS STUDIES :

(PART—I)

- (I). Nature and significance of Management.
- (ii). Principles of Management.
- (iii). Business Environment.
- (iv). Planning.

(PART—II)

- (v). Financial Management.
- (vi). Financial Market.
- (vii). Marketing Management.

(viii).Consumer Protection.

(ix).Project work

ECONOMICS

MICRO ECONOMICS- SECTION-A

| UNITS | WEIGHTAGE |
|--|------------------|
| UNIT 1: INTRODUCTION | 08 |
| UNIT 2: CONSUMER'S EQUILIBRIUM AND DEMAND | 12 |
| UNIT 3: PRODUCER'S BEHAVIOUR AND SUPPLY | 20 |
| TOTAL | 40 |

MACRO ECONOMICS-SECTION-B

| UNITS | WEIGHTAGE |
|---|------------------|
| UNIT 5: NATIONAL INCOME AND REALTED AGGREGATES | 20 |
| UNIT 7: MONEY AND BANKING | 08 |
| UNIT 8: GOVERNMENT BUDGET AND ECONOMY | 12 |
| TOTAL | 40 |

MATHEMATICS

1.Relations and Functions.

2. Inverse Trigonometric Functions.

3.Matrices .

4. Determinants.

5.Continuity and Differentiability

6.Application of Derivatives.

7. Integrals

ACCOUNTANCY

PART A : ACCOUNTING FOR PARTNERSHIP FIRMS

FUNDAMENTALS

GOODWILL : NATURE AND VALUATION

CHANGE IN PROFIT SHARING RATIO

ADMISSION OF A PARTNER

PART B : ANALYSIS OF FINANCIAL STATEMENTS

FINANCIAL STATEMENTS OF A COMPANY

FINANCIAL STATEMENT ANALYSIS

COMPARATIVE AND COMMON SIZE STATEMENTS

ACCOUNTING RATIOS

CASH FLOW STATEMENT

ENTREPRENEURSHIP

UNIT 1 ENTREPRENEURIAL OPPORTUNITY

UNIT 2 ENTERPRISE PLANNING

UNIT 3 ENTERPRISE MARKETING

UNIT 4 ENTERPRISE GROWTH STRATEGIES

UNIT 5 BUSINESS ARITHMETIC (Till break even point)

POLITICAL SCIENCE

BOOK I (CONTEMPORARY WORLD POLITICS)

Ch. 1 - The Cold War Era

Ch. 2 - The End Of Bipolarity

Ch. 3 - US Hegemony in World Politics

Ch. 4 - Alternative Centres of Power

Ch. 5 - Contemporary South Asia

Ch. 6 - International Organisation

Ch. 7- Security in The Contemporary World

Ch. 8 - Environment And Natural Resources

Ch. 9 - Globalisation

BOOK II (POLITICS IN INDIA SINCE INDEPENDENCE)

Ch.1 - Challenges Of Nation Building

PHYSICS

- i) **Electrostatic charges and fields**
- ii) **Electrostatic potential and capacitance.**
- iii) **Current Electricity**
- iv) **Magnetic effects of currents**
- v) **Magnetism and matters**
- vi) **Electromagnetic Induction**
- vii) **Alternating current**

BIOTECHNOLOGY

UNIT V: PROTEIN AND GENE MANIPULATION

Chapter 5.1: Recombinant DNA Technology

Chapter 5.2: Protein Structure and Engineering

UNIT VI: CELL CULTURE AND GENE MANIPULATION

Chapter 6.1 Microbial Cell Culture and its Application

Chapter 6.2 Plant Cell Culture and Application (Till 6.2.4 Gene Transfer Methods in plants)

BIOLOGY

UNIT VI: REPRODUCTION

Chapter 1: Reproduction in Organisms

Chapter 2: Sexual Reproduction in Flowering Plants

Chapter 3: Human Reproduction

Chapter 4: Reproductive health

UNIT VII: GENETICS AND EVOLUTION

Chapter 5: Principles of Inheritance and Variation

Chapter 6: Molecular Basis of Inheritance

UNIT VIII: BIOLOGY IN HUMAN WELFARE

Chapter 8: Human Health and Disease

UNIT IX: BIOTECHNOLOGY

Chapter 11: Biotechnology: Principles and processes

Chapter 12: Biotechnology and its Applications

MULTIMEDIA AND WEB TECHNOLOGY:-

| CHAPTER | TITLE |
|----------------|--------------------------------------|
| 1 | REVISION TOUR XI |
| 2 | COMPUTER SYSTEM: DATABASE |
| 3 | COMMUNICATION AND NETWORK CONCEPTS |
| 4 | INTRODUCTION TO OPEN SOURCE SOFTWARE |
| 6 | MULTIMEDIA APPLICATIONS |
| 7 | GETTING STARTED WITH PHP |
| 8 | PHP: VARIABLES AND OPERATORS |
| 9 | PHP: BUILT IN FUNCTIONS AND ARRAYS |
| 10 | PHP: FLOW OF CONTROL |
| 11. | PHP FORMS |
| 12. | PHP: WORKING WITH TEXT FILES |
| 13. | WORKING WITH DATABASES |

COMPUTER SCIENCE WITH PYTHON

| S.NO | TITLE |
|-------------|--------------------------------------|
| 1 | PYTHON REVISION TOUR I & II |
| 2 | GENERAL OOP CONCEPTS |
| 3 | CLASSES AND OBJECTS |
| 4 | |
| 5 | INHERITANCE |
| 6 | EXCEPTION HANDLING |
| 7 | DATA FILE HANDLING |
| 8 | DATABASE CONCEPTS |
| 9 | STRUCTURED QUERY LANGUAGE |
| 10 | BOOLEAN ALGEBRA |
| 11 | COMMUNICATION AND NETWORK TECHNOLOGY |

ENGLISH

Flamingo--

Prose

1. The Last Lesson
2. Lost Spring
3. Deep Water
4. The Rattrap
5. Indigo

Poetry-

1. My Mother At Sixty-Six
2. An Elementary School Classroom In A Slum
3. Keeping Quiet
4. A Thing Of Beauty

Vistas

1. The Tiger King
2. Should Wizard Hit Mommy

Writing Skills-All

Unseen Comprehension and Note-Making

Novel- Chapters 1-15