



FACULTY HIGHER SECONDARY SCHOOL  
SYLLABUS FOR HALF YEARLY EXAMINATION (2019-20)  
CLASS- XII / SCIENCE

**SUBJECT : CHEMISTRY**

**Chapter 1 : Solution**  
**Chapter 2: Electrochemistry**  
**Chapter 3: Chemical Kinetics**  
**Chapter 8: Co-Ordination Compounds**  
**Chapter 9: Haloalkanes and Haloarenes**  
**Chapter 10: Alcohol, Phenol Ether**  
**Chapter 11: Aldehydes Ketones, Carboxylic Acid**  
**Chapter 12: Organic Compound Containing Nitrogen**

**SUBJECT: ENGLISH**

**Reading Skills: Comprehension , Note Making**  
**Writing Skills : Invitation, Debate , Speech, Letter Writing**  
**Literature :** Deep Water (F)  
Going Places (F)  
The Interview (F)  
Poets and Pancakes (F)  
Keeping Quiet (F)  
Roadside Stand (F)  
Aunt Jennifer's Tigers (F)  
The Tiger King (V)

**TEXT BOOKS: FLAMINGO, VISTAS**

**SUBJECT: :MATHS**

1. Matrices and Determinants,
2. Inverse Trigonometric Functions
3. Relations and Functions, Continuity and Differentiation, Application of Derivatives
4. Application of Derivatives,
5. Indefinite Integration
6. Definite Integration, Application of Integrals,
7. Differential Equation
8. Vector, 3-Dimensional Geometry (Straight Lines and Planes)
9. 3-Dimensional Geometry (Planes)

**SUBJECT: PHYSICAL EDUCATION (048)**

**Unit 1 Planning in Sports,**  
**Unit 2 - Sports and Nutrition**  
**Unit 3 - Yoga and Lifestyle,**  
**Unit 4 - Physical Education and Sports for Differently-Abled**  
**Unit 5 - Children and Sports,**  
**Unit 6 - Women and Sports**  
**Unit 7 - Test and Measurement in Sports**  
**Unit 8 - Physiology and Sports.**

**SUBJECT : BIOLOGY**

**UNIT 5:Reproduction**

1. Reproduction in Organisms
2. Sexual Reproduction in Flowering Plants
3. Human reproduction
4. Reproductive Health

**UNIT 6:GENETICS**

5. Principles of Inheritance and Variation.
6. Molecular Basis of Inheritance
7. Evolution

**UNIT 7:BIOLOGY AND HUMAN WELFARE**

8. Human Health and Diseases
9. Strategies for Enhancement in food production

**SUBJECT: COMPUTER SCIENCE**

**Chapter 1. Python Revision tour I**  
**Chapter 2: Python Revision tour II**  
**Chapter 3: Working with functions**  
**Chapter 4 : Using Python Libraries**  
**Chapter 13 : MYSQL SQL Revision Tour**  
**Chapter 5: File Handling**  
**Chapter 6: Recursion**  
**Chapter 16: Interface Python with MYSQL**  
**Chapter 11: Computer Networks I**  
**Chapter 7: Idea of algorithmic efficiency**  
**Chapter 8: Data Visualisation using Pyplot**  
**Chapter 9: Data Structure I : Linear List**

**SUBJECT: PHYSICS**

1. Electric Charges and Fields.
2. Electrostatic Potential and Capacitance.
3. Current Electricity.
4. Moving Charges and Magnetism.
5. Magnetism and Matter.
6. Electromagnetic Induction.
7. Alternating Current.
8. Electromagnetic Waves.

**SUBJECT: TRAVEL & TOURISM**

- UNIT-1: Introduction to Travel & Tour Operation Business**  
**UNIT -2 : Operation of Travel Agency**  
**UNIT-3: Transport Network**  
**UNIT-4: Itinery Planning**  
**UNIT-5 : Tour Packaging & Programming**  
**UNIT-6 Package Tour Costing**

**SUBJECT: ECONOMICS**

- **Part - A**  
**Unit 1:** National Income and Related Aggregates  
**Unit 2:** Money and Banking  
**Unit 3:** Determination of Income and Employment  
**Unit 4:** Govt. Budget and the Economy
- **Part - B**  
**Chapter 1:** Indian Economy on the eve of Independence  
**Chapter2:** Indian Economy 1950-1990  
**Chapter 3:** Liberalization, Privatisation and Globalisation  
**Chapter 4:** Poverty  
**Chapter 5:** Human Capital Formation in India  
**Chapter 6:** Rural Development