



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

SUBJECT : CHEMISTRY

Lesson 1: Some Basic Concept of Chemistry
Lesson 2: Structure of Atoms
Lesson 3: Periodic Classification of Elements
Lesson 4: Chemical Bonding

SUBJECT : BIOLOGY

UNIT 3: CELL: STRUCTURE AND FUNCTIONS
Chapter 1: Living World
Chapter 2: Biological Classification
Chapter 8 : Cell: The Unit of Life
Chapter 10: Cell Cycle and Cell Division
Chapter 9: Biomolecules
Chapter 4 : Animal Kingdom
Chapter 16: Digestion and Absorption
Chapter 11: Photosynthesis
Chapter 17: Breathing and Gaseous Exchange
Chapter 14: Respiration in plants

SUBJECT: COMPUTER SCIENCE

Chapter 1 – Computer System Overview
Chapter 2 - Data Representation
Chapter 5 – Computational Thinking Getting stated with Python
Chapter 6 – Python Fundamentals
Chapter 7: Data Handling
Chapter 8 : Conditional & Iterative Statements
Chapter 9: String Manipulation

SUBJECT: PHYSICS

1. Units and Measurement.
2. Motion in a Straight line.
3. Motion in a Plane
4. Laws of Motion.
5. Work, Energy and Power.
6. Motion of System of Particles and Rigid Body.

SUBJECT: ENGLISH

Writing Skills: Notice Writing, Advertisement, Article Writing, Report Writing

Literature:

1. The Portrait of a Lady (H)
2. Discovering Tut : The Saga Continues (H)
3. A Photograph (H)
4. The Voice of The Rain (H)
5. The Summer of The Beautiful White Horse(S)
6. The Address (S)

TEXT BOOKS: HORNBILL , SNAPSHOTS

SUBJECT: ECONOMICS

PART A: Unit 1-Introduction
Unit 2-Consumer's Equilibrium and Demand
PART B: Unit 3- Statistical Tools and Interpretation
PART A: Unit 3-Producer Behaviour and Supply

SUBJECT: :MATHS

1. Bionomial Theorem
2. Trigonometric Functions
3. Sets
4. Relations and Functions
5. Principle of Mathematical Induction (P.M.I)
6. Complex Number and Quadratic Equations,
7. Linear Inequalities
8. Permutation and Combination