**Half yearly Examination Syllabus**

**Session- 2019-20**

**Class XI**

**Chemistry**

1. Classification of elements and Periodicity in properties

2. Chemical Bording and molecular structure

3. States of Matter. Gases and liquids

4. Redox Reactions

5. Hydrogen

6. S-block elements

7. Structure of atom

**Physics**

1. Kinematics (Vectors, one-D, Two-D)

2. Laws of motion

3. Work, power and energy

4. Rotational Motion

**Maths**

1. Sets

2. Relations & Functions

3. Trigonometric Functions

4. Principle of Mathematical Induction

5. Complex Number & Quadric equations

6. Linear Inequalities

7. Permutations and Combinations

8. Binomial theorem

9. Sequences & series,

10. Straight lines

**Biology**

1. Unit-I

2. Unit-II Lesson 1 to 11

3. Unit-III

**Hindi**

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**Info.**

1. Basic computer organization

2. Data Representation-Basic concept

3. Python Fundamentals

4. Data Handling

5. Conditional and Iterative statements

6. List manipulation

7. Working with numpy

8. Relational Databases

9. Simple Queries in SQL

13. Table Creation and Data manipulation Commands

**English** Poems

Hornbill (Prose) 1. Photograph

1. Portrait lady 2. Laburnum top

2. We are not afraid to die 3. Voice of the Rain

3. Discovering tut

4. Landscape of the soul

5. Ailing planet

Snap shot

1. Beautiful white horse

2. The address

3. Ranga’s marriage

4. Einsteen at school

**Grammar**

1. Notice/Poster/Advertisement

2. Letter writing [Complaint letter]

3. Article/speech/Report writing

4. Re-ordering sentences

5. Passive-voice, modals, Clauses

**Physical Education**

Unit-1 Changing trends & Career in physical education.

Unit-2 Olympic movement

Unit-3 Physical Fitness, wellness & lifestyle

Unit-4 Physical education & Sport for differently Abled.

Unit-5 Yoga

Unit-6 Physical activity& Leadership training.

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**Session- 2019-20**

**Class XII**

**English**

Complete Course

**Hindi**

Complete Course

**Chemistry**

Complete Course

**Biology**

Complete Course

**Maths**

Complete Course

**Physics**

1. Elec. Charges & Fields

2. Current electricity

3. Electrostatic potential & field

4. Magnetic effect of current

5. Magnetism

6. Electromagnetic Induction

7. Alternate currents (AC)

8. Ray Optics

**Physical Education**

Complete Course

**Informatics practice**

1. Working with numpy

2. Python Pandas

3. Plotting with pyplot I- Bar Graphs and scalter plote

4. Plotting with pyplot-II Histograms, Frequency distribution   
 Box plots

5. Introduction to software Engineering

6. Alile method and practical aspect of software Engineering

7. My SQL Revision Tour

8. More on SQL

**Half yearly Examination Syllabus**

**Session- 2019-20**

**Class XI**

Geography

1. Geography as a discipline

2. The origin and evolution of the earth

3. ‘Interior of the earth

4. Distribution of Ocean and continents

5. Minerals and Rocks.

6. Geomorphic Processes.

7. Landforms and their evolution

8. Composition and structure of Atmosphere

9. Atmospheric Circulation and weather systems

Practical

1. Introduction to maps

2. Map scale

3. Latitude, Longitude and time

4. Map Projections