

- where they eager to go.
6. OCTOBER **Conserve wild life**: Students of each sections make a sketch on endangered species or create a poster on this topic
  7. NOVEMBER **Visit to M.I. Room**, in this activity students of each section will visit to MI Room through this all students can learn the skills of first aid on emergency situations.
  8. DECEMBER **“Swatch Bharat Abhiyaan**, Field Work
  9. JANUARY **GO GREEN** : Poster Making on save Environment.
  10. FEBRUARY **Best out of waste** : Students of each section can make a craft with their own creativity with different waste products.

### SUBJECT : HEALTH & PHYSICAL EDUCATION

S.NO.	MONTH	NAME OF THE LESSON
1.	APRIL	Health & Fitness YOGA
2.	MAY	Invasion Games (A) Basketball
3.	JULY	B. Kabaddi
4.	AUGUST	C. Football
5.	SEPTEMBER	Swimming
6.	OCTOBER	Net Games (A) Badminton
7.	NOVEMBER	B. Lawn Tennis (C) Volleybal
8.	DECEMBER	<b>HEALTH &amp; FITNESS</b> YOGA
9.	JANUARY	Athletics ( Field and Track Events)
10.	FEBRUARY	Field Hockey

### SYLLABUS BREAK UP FOR THE SESSION 2019-20 (11TH CLASS)

#### SUBJECT : ENGLISH

1. build greater confidence and proficiency in oral and written communication.
2. develop the ability and knowledge required in order to engage in independent reflection and inquiry.
3. enable the learner to review, organize and edit their own work and work done by peers.
4. build competence in different registers of English.
5. Facilitate self-learning to enable the students become independent learners.
6. enable the learner to access knowledge and information through reference skills like consulting a dictionary, internet etc.

S.NO.	MONTH	NAME OF THE LESSON/TOPIC
1	APRIL	<b>HORNBILL</b> L-1 The Portrait of a lady Poem-1 A Photograph <b>SNAPSHOTS</b> L.No1 (The Summer of the beautiful White horse) <b>WRITING</b> : Notice <b>GRAMMAR</b> : Tenses, Determiners
2	MAY	<b>HORNBILL</b> L-2 “We’re not afraid to die.....If we can be all together <b>SNAPSHOTS</b> L-2 The Address

3	<b>JULY</b>	<b>WRITING:</b> Advertisement <b>HORNBILL</b> L-3 Discovering Tut <b>SNAPSHOTS :</b> Ranga's Marriage <b>WRITING :</b> Poster, Letter to Editor
4	<b>AUGUST</b>	<b>HORNBILL</b> L-4 Landscape of the Soul Poem 3 : The Laburnum Top <b>SNAPSHOT</b> L-4 : Albert Einstein at School <b>WRITING :</b> Letter (Official & Business) <b>READING:</b> Note-Making <b>GRAMMAR:</b> Modals Active-Passive <b>ASL :</b> Practice for speaking (Group Discussion)
5	<b>SEPTEMBER</b>	<b>HORNBILL</b> L-5 : The Ailing Planet Poem 3 : The Voice of the Rain <b>SNAPSHOTS</b> L-5 Mother's Day <b>READING:</b> Note Making <b>GRAMMAR :</b> Editing, omission, gap filling, sentence reordering
6	<b>OCTOBER</b>	<b>HORNBILL</b> Poem-4 Childhood <b>SNAPSHOTS :</b> I-6 The ghat of the only world <b>WRITING :</b> Speech, Debate <b>GRAMMAR :</b> Relative, Preposition

5.	SEPTEMBER	9 Matra's "Thaat" in Teen Taal's Vilambit laya
6.	OCTOBER	Different movements in Teen Taal's Drut laya
7.	NOVEMBER	One "Panihari Gat" in Teen Taal's Drut laya
8.	DECEMBER	One light composition on "Shalokas"
9.	JANUARY	Paltas" in Teen Taal's Drut laya One Chakerdhar" Tukra in Teen Taal's Drut laya
10.	FEBRUARY	Practise of Tukras, Tihai, Paltas and Gat in Teen Taal.

**SUBJECT : WORK EDUCATION**

S.NO.	MONTH	NAME OF THE LESSON
1.	APRIL	<b>Political Issues :</b> Poster making on political issues of 2019 with mix media (Group Activity)
2.	MAY	<b><u>Save Our Culture and tradition:</u></b> Under this activity students of each section making craft.
3.	JULY	<b><u>Stone painting</u></b> Students can paint stones according to their choice. They can paint stones with different pattern, land scapes and many more things on it with acrylic or oil paint.
4.	AUGUST	<b><u>Our Country and our responsibility:</u></b> Under this activity students can make collage work with tearing of newspaper and magazines. Students can create their effective art on nationality
5.	SEPTEMBER	<b><u>Your Dream Destination :</u></b> Under this activity students can make a painting on their fantasy world on canvas according to their dream. They can draw a destination place on their dream world

## SUBJECT : VOCAL MUSIC

.NO.	MONTH	NAME OF THE LESSON
1.	APRIL	Alankar (First Four), Devotional Song (Hymn), National Anthem
2.	MAY	Regional Language Song (Dogri), Practice of Alankar (With Tabla) Raga Bilawal (Chota Khayal) with Taans
3.	JUNE +JULY	Teentaal on Hand
4.	AUGUST	Patriotic Song (Two), Sargam Classical, Alankar five to ten, Devotional Song (Bhajan)
5.	SEPTEMBER	Raga Yaman (Chotta Khayal) with Taans, Dadra Taal on hand, Kehrwa Taal on hand
6.	OCTOBER	Raga Bhairav (Chotta Khayal) with Taans, Patriotic Song, Diwali Song
7.	NOVEMBER	Regional language Song (Dogri), Devotional Song (Sufi and Shabad)
8.	DECEMBER	Christmas Carols
9.	JANUARY	Patriotic Song
10.	FEBRUARY	Revision

## SUBJECT : CLASSICAL DANCE KATHAK

S.NO.	MONTH	NAME OF THE LESSON
1.	APRIL	“Tatkar” of Teen Taal in “Drut laya” One “Tukra” in Teen Taal’s Drut laya
2.	MAY	One “Chakardhar Tihai” in Teen Taal’s Madhya Laya
3.	JULY	16 Matra’s “Thaat” in Teen Taal’s Vilambit laya
4.	AUGUST	One “Tihai” in Madhya Laya, One “Toda” in Madhya Laya

7 NOVEMBER

ASL : Practice in speaking (speech)

**HORNBILL**

L-6 The Browning Version

Poem-5 Father to Son

**SNAPSHOTS**

L-7 : Birth

**WRITING** : Poster, Letter for Job

**GRAMMAR**: Connectors, Narration

ASL : Practice of Speaking (Debate)

8 DECEMBER

**HORNBILL**

L-7 The Adventure

**SNAPSHOTS** : L-8 : The Tale of Melon City

**WRITING** : Application to the Principal

**GRAMMAR**: Editing, Omission, Gap-filling sentence, Reordering

**READING** : Practice for Note-Making

9 JANUARY

**HORNBILL**:

L-8 Silk Road

**WRITING** : Practice of all kinds of letters

**READING** : Practice for Note-Making

ASL: Practice for Speaking

10 FEBRUARY

**HORNBILL**: Revision of all the Lesson

**SNAPSHOT**: Revision of all the Lesson

**GRAMMAR**: Integrated Grammar

**WRITING**: Revision of complete syllabus

## SYLLABUS FOR CYCLE TEST-I

**HORNBILL**

Poem 1

L-1 The Portrait of a lady

: A Photographs

**SNAPSHOTS** : L-1 The summer of the beautiful White Horse

**WRITING** : Notice, Poster

**GRAMMAR:** Tenses and Determiners

**READING** : Comprehension Passage

### **SYLLABUS FOR HALF YEARLY**

**HORNBILLS** : L-2 We're Not Afraid To Die.....  
If We Can All Be Together

Poem 2 : The Laburnum Top

Poem 3 : The Voice of the Rain

**SNAPSHOTS** : L-2 The Address  
L-3 Ranga's Marriage  
L-4 Albert Einstein in School

**WRITING** : Notice, Advertisements, Letter to Editor, Letters (Official/ Business)

**READING** : Comprehension Passage, Note Making

**GRAMMAR:** Editing, Omission, Gap-Filling, Sentence Reordering

**ASL** : Asssment of Speaking and Listening  
(Including Complete Syllabus of Cycle Test-I)

### **SYLLABUS FOR CYCLE TEST-III**

**HORNBILLS** : L-5 (Ailing Planet)  
L-6 Browning Version)

Poem 4 : Childhood

Poem 5 : Father to Sun

**SNAPSHOTS** : L-5 Mother's Day  
L-6 The Ghat of the only world

map.

6. Apply geographical knowledge and methods of inquiry to emerging situations or problems at different levels-local, regional, national and global.

S.NO.	MONTH	NAME OF THE LESSON/TOPICS
1	APRIL	Unit-1 Geography : Nature and Scope
2	MAY	Unit-2 The Earth
3.	JUNE + JULY	Unit-3 Landform
4	AUGUST	Unit-4 Climate
5	SEPTEMBER	Unit-5 Water Ocean Unit-6 Life on the Earth
6	OCTOBER	Part -B Unit-1 Introduction
7.	NOVEMBER	Part-B Unit-II Physiography
8	DECEMBER & JANUARY	Part -B Unit-III Climate, Vegetation and Soil Part B Unit-III Contd.
9.	FEBRUARY	Revision work

### **SYLLABUS FOR PERIODIC TEST-I**

- i) Unit I and Unit II (Part -A)

### **SYLLABUS FOR (HALF YEARLY EXAMINATION)**

Unit-I, Unit-II, Unit-III, Unit-IV, Unit-V, Unit-VI

### **SYLLABUS FOR TERM TEST-II**

Unit-I (Part-B), Unit-II (Part-B)

### **SYLLABUS FOR ANNUAL EXAMINATION**

Complete Syllabus PART (A) & PART B (Complete)

8	DECEMBER	L-10 Displaying indigenous peoples
9	JANUARY	L-11 Path to modernisation Map Work and Project Work
10	FEBRUARY	Revision & Doubt Clearing Session

### **SYLLABUS FOR CYCLE TEST-I**

- i) From the beginning of time

### **SYLLABUS FOR (HALF YEARLY EXAMINATION)**

- i) From the beginning of time
- ii) Writing and City life
- iii) An Empire Across the three continents
- iv) Central Islamic Lands
- v) Nomadic Empire
- vi) Three orders

### **SYLLABUS FOR CYCLE TEST-II**

- i) Three orders
- ii) Changing Cultural traditions
- iii) Confrontation of Cultures

### **SYLLABUS FOR ANNUAL EXAMINATION**

Complete Syllabus

### **SUBJECT : GEOGRAPHY**

Objectives of Geography

1. Familiarize with key concept, terminology and core principles of geography.
2. List/describe what students might see, hear, smell, at a place.
3. Describe locations and correlate with geographical perspectives.
4. Compare conditions and connections in one place to another.
5. Describe and interpret the spatial pattern features on a thematic

**WRITING** : Speech, Debate, Poster, Advertisement

**GRAMMAR** : Editing, gap filling, sentence reordering

### **SYLLABUS FOR ANNUAL EXAMINATION**

**HORNBILLS** : All Lessons, All Poems

**SNAPSHOTS** : All Lessons

**WRITING** : Complete syllabus of writing skill

**GRAMMAR** : Integrated

**READING** : Comprehension Passage, Note Making

**ASL** : Assessment of speaking and listening

### **SUBJECT :MATHS**

Aims of teaching and learning mathematics are to encourage and enable students to:

1. Recognise that mathematics permeates the world around us.
2. Enjoy mathematics and develop patience and persistence when solving problems.
3. Understand and be able to use the language, symbols and notation of mathematics.
4. Develop abstract, logical and critical thinking and the ability to reflect critically upon their work and work for others.
5. Become confident in using mathematics to analyse and solve problems both in school and in real life situations.

### **OBJECTIVES OF TEACHING MATHEMATICS**

The student will be able to

1. Acquire knowledge of facts, concepts, theories, laws, principles, proofs of mathematics
2. Develop the ability to communicate mathematical ideas with precision and accuracy.
3. Develop interest and positive attitude towards mathematics.

4. Apply mathematical knowledge to solve real life problems.
5. Develop the skill to use algorithms in problems solving.
6. Developing mastery of algebraic skills, drawing skills, analyse, organise data, reasoning, critical thinking etc.

S.NO.	MONTH	NAME OF THE LESSON/TOPIC
1	APRIL	: Set Theory
2	MAY	: Relation and function Trigonometry
3	JULY	: Mathematical Induction Complex Number
4	AUGUST	: Linear In equation Permutation and Combination
5	SEPTEMBER	: Binomial Theorem Sequence Series
6	OCTOBER	: Straight line. Conic Section 3D Geometry
7	NOVEMBER	: Limits and derivatives Mathematical Reasoning
8	DECEMBER	: Statistics, Probability
9	JANUARY	: Revision
10	FEBRUARY	: Test Series

#### **SYLLABUS FOR CYCLE TEST-I**

- 1) Set theory

#### **SYLLABUS FOR HALF YEARLY**

- 1) Relation and Function
- 2) Trigonometry
- 3) Mathematical Induction

## **SUBJECT : HISTORY**

### **Aims and objectives of History**

1. To emphasis to students that history is a critical discipline, a process of enquiry, a way of knowing about the past.
2. The syllabus would also enable students store/relate/compare developments in the different situations, analyze connection between similar processes located in different time period.
3. It organized some major themes of world history. Through the study of these themes the students will acquire a sense of the wider historical process as well as idea of the specific debate around them.
4. It arranged broad chronological sequence, there are overlaps between them.
5. Each theme specific time and place but these discussions would be situation within a wider context by Plotting the specific events with time lines

S.NO.	MONTH	NAME OF THE LESSON/TOPIC
1	APRIL	<b>Section-1 (Early Societies)</b>
		i) L-1 From Beginnig of time
2	MAY	ii) L-2 Writing and city life
		<b>Section-2 Empires</b>
3.	JUNE+JULY	i) L-3 An Empire across three continents
4.	AUGUST	: L-4 The Central islamic lands L-5 Nomadic Empires
5	SEPTEMBER	<b>Section-3 Changing traditions</b> L-6 The Three orders L-7 Changing Cultural traditinos
6	OCTOBER	Section-4 Towards of modernisation L-8 Confrontation of cultures
7.	NOVEMBER	L-9 The Industrial Revolution

- Chapter 7 : Federalism
- 7. NOVEMBER
  - Chapter-16 : Secularism
  - Chapter-17 : Peace
  - Chapter-18 : Development
- 8 DECEMBER
  - Chapter 17 : Peace (Revision)
  - Chapter 4 : Executive (Revision)
- 9. JAN/FEB : Revision

### **SYLLABUS FOR CYCLE TEST-I**

L-1 Constitution/ Why/ How

L-2 Rights and Duties in the Indian Constitution

### **SYLLABUS FOR (HALF YEARLY EXAMINATION)**

L-9 Political Theory on Intro

L-10 Freedom

L-11 Equality

L-12 The Legislature

L-6 The Judiciary

(Cycle Test-I Syllabus included in Half Yearly)

### **SYLLABUS FOR CYCLE TEST-II**

L-12 Justice with special referene to Social Justice

L-13 Rights

L-14 Nationalism

L-7 Federalism

### **SYLLABUS FOR ANNUAL EXAMINATION**

Part I and Part II Full Syllabus

- 4) Complex Number
- 5) Linear inqeualities
- 6) Permutation and combination
- 7) Binomial Theorem
- 8) Sequence and Series

### **SYLLABUS FOR CYCLE TEST-II**

- 1) Straight line
- 2) Conic Section
- 3) 3D Geometry

### **SYLLABUS FOR FINAL EXAMINATION**

Complete Syllabus

### **SUBJECT : PHYSICS**

Objectives of Curriculum of Physics

- \* Physics is a natural science based on experiments, measurements and mathematical analysis with the purpose of finding quantitative physical laws for everything.

The curriculum of physics attempts to

- 1 Strengthen the concepts developed at the secondary stage to provide firm foundation for further learning in the subject.
2. Expose the learners to different processes used in Physics related industrial and technological applications.
3. Develop process-skills and experimental, observational, manipulated, decision making and investigatory skills in the learners.
4. Promote problem solving abilities and creative thinking in learners.
5. Develop conceptual competencies in the learner and make them realize and appreciate the interface of physics with other disciplines.

6. Develop the ability of the students to conduct, observe, analyze and report an experiment.
7. Develop the ability of the students to deal with physical models and formulas mathematically.

S.NO.	MONTH	NAME OF THE LESSON/TOPI
1	APRIL	Unit -1 : Physical World Units and Measurement
2	MAY	Unit-2 Motion in Straight line
3.	JUNE	Unit-2 Motion in Plane
4.	JULY	Unit-2 (Contd.)
5	AUGUST	Unit-3 Laws of Motion Unit-4 Work, Energy and Power
6	SEPTEMBER.	Unit-4 Work, Energy & Power (Contd.) Unit-5 Motion of System of Particles & Rotational Motion (Contd.)
7	OCTOBER	Unit 6 Gravitation
8	NOVEMBER	Unit-7 Bulk Properties of Matter
9	DECEMBER	Unit-7 Bulk Properties of Matter (Contd) Unit-8 Thermodynamics
10	JANUARY	Unit-9 Kinetic Theory of Gases Unit 10 Oscillations and waves
11	FEBRUARY	Unit-10 Waves (Contd.)

#### **SYLLABUS FOR CYCLE TEST-I**

Unit-1 Physical World, Unit and Measurement

#### **SYLLABUS FOR (HALF YEARLY EXAMINATION)**

Unit-1 Physical World, Unit and Measurement

Unit-II Motion in straight line, Vector, Motion in Plane

9. The capacity of analyse and interpret qualitative and quantitative social and political research data, and to use such data carefully in forming opinions and convey to conclusion.
10. Also learn about various political system in a systematic and broad manner.
11. Complete and thorough knowledge about Indian constitution.

S.NO.	MONTH	NAME OF THE LESSON/TOPIC
1	APRIL	Chapter-1 : Constitution : Why and How, Philosophy of the constitution, Constitution as a living document. Chapter-2 : Rights and Duties in the Indian Constituion
2	MAY	: Chapter-3 : Election and Representation Chapter 4 : The Executive
3.	JUNE+JULY	Chapter-9 : Political Theory on Introduction
4	AUGUST	Chapter 10. : Freedom Chapter 11 : Equality Chapter 12 : The Legislature
5	SEPTEMBER	Chapter-6 : The Judiciary Chapter-12 : Justice with special referene to social justice Chapter 13 : Rights
6	OCTOBER	Chapter-14 : Citizenship Chapter-15 : Nationalism



Unit-IV Physical Education and Sports for CWSN (Children with Special needs)

Unit-V Yoga

### **SYLLABUS FOR CYCLE TEST-II**

Unit-VII Test and Measurement

Unit-VIII Fundamental of Anatomy

Unit-IX Psychology and Sports

Unit-X Training and Doping

### **SYLLABUS FOR ANNUAL EXAMINATION**

Full Syllabus

### **SUBJECT : POLITICAL SCIENCE**

Aims and Objectives of Political Science

1. Leaving Certificate politics and society aim to develop the learner's capacity to engage in reflective and active citizenship, informed by the insights and skills of social and political sciences.
2. An understanding of then social systems within which people act: locally nationally and more widely.
3. An understanding of concepts which underpin contemporary systems of government and of the diverse models for making these concepts operational.
4. An understanding of and a respect for human rights and responsibilities, for democratic modes of governance.
5. An understanding of and a respect for sustainable development.
6. A commitment to and a capacity for critical discursive and independent thinking.
7. A commitment to and a capacity for engagement in peaceful and democratic means of resolving conflicts.
8. A sense of care for others and a respect for an a evolving of diversing in all areas of human life within the parameter's of human rights principles.

Unit-III Laws of Motion

Unit-IV Work, Power and Energy

Unit V Motion of System of Particles

### **SYLLABUS FOR CYCLE TEST-II**

Unit-V Motion of System of Particles and Rotational Motion

Unit VI Gravitation

Unit VII Bulk properties of Matter

### **SYLLABUS FOR ANNUAL EXAMINATION**

Complete Syllabus

### **SUBJECT : CHEMISTRY**

AIM : Chemistry is a central subject of science. It is also closely related to the daily life. The broad aim are to help students to

1. acquire some knowledge of the empirical world.
2. acquire an ability to observe accurately and objectively.
3. acquire an ability to solve problem.
4. acquire an ability to think Scientifically, independently and to make rational discussion.
5. Promote an awareness of the social, economic, environmental and technological implications of chemistry.

#### **OBJECTIVES:**

1. To encourage students to take an active part in class.
2. To encourage students to develop curiosity and spirit of enterprise.
3. To teach good laboratory practice and skills.
4. To teach students to analyse data from experiments or from other sources.
5. To provide students with some insight into future career prospect in the field related to chemistry.

S.NO.	MONTH	NAME OF THE LESSON/TOPIC
1	APRIL	Unit-1 Some Basic concepts of Chemistry
2	MAY	Unit-2 Structure of Atom Unit-3 Classification of Elements and Periodicity in Properties
3.	JUNE	Unit-4 Chemical bonding and Molecular Structure
3	JULY	Unit-4 States of Matter
4	AUGUST	Unit-6 Thermodynamics Unit-4 Hydrogen
5	SEPTEMBER.	Unit-1-VI and Chapter 9, Half Yearly Unit -7 Equilibrium (Chemical)
6	OCTOBER	Unit-7 Equilibrium (Ionic) Unit-8 Redox Reactions
7	NOVEMBER	Unit XII : Organic Chemistry : Some Basic Principles and Techniques Unit XIII : Hydro Carbon
8	DECEMBER	Unit-X : S Block Elements Unit -XI P-Block Elements
9	JANUARY	Unit-XIV Environmental Chemistry ( And Revision full Syllabus)
10.	FEBRUARY	Test Series

#### **SYLLABUS FOR CYCLE TEST-I**

- Unit-I Some Basic concepts of Chemistry

#### **SYLLABUS FOR (HALF YEARLY EXAMINATION)**

- Unit-I Some Basic concepts of Chemistry
- Unit-II Structure of Atoms
- Unit III : Classification Elements and Periodicity in Properties
- Unit-IV : Chemical Bonding and molecular structure

- To co-ordinate activities of daily life and give them a definite shape.
- To teach the child, proper method of harnessing extra energy.
- To generate interest in physical education and activities related to it.
- To organise display of Physical Education.

S.NO.	MONTH	NAME OF THE LESSON/TOPIC
1	APRIL	1. Changing trends and career in Physical Education
2	MAY	2. Olympic Value Education
3.	JULY	3. Physical fitness, Wellness and life style
4	AUGUST	4. Physical Education and Sports for CWSN (Children with Special needs-Diyang) 5. Yoga
5	SEPTEMBER6.	6. Physical Activity and Leadership Training 7 Test, Measurement and Evaluation
6	OCTOBER	8. Fundamentals of anatomy and physiology 9. Kinesiology, Biomechanics and Sports
7.	NOVEMBER	10 Psychology and Sports
8	DECEMBER	11 Training in Sports
9	JANUARY	Doping

#### **SYLLABUS FOR CYCLE TEST-I**

Unit-1 Changing Trends and Carrer in Physical Education

Unit-II Olympic Value Education

#### **SYLLABUS FOR (HALF YEARLY EXAMINATION)**

Unit-1 Changing Trends and Carrer in Physical Education

Unit-II Olympic Value Education

Unit-III Physical Fitness Wellness and Life Style

## **SYLLABUS FOR CYCLE TEST-II**

Unit-5 Introduction to Statistics

Unit-6 Collection of Data

## **SYLLABUS FOR ANNUAL EXAMINATION :**

Full Syllabus

Part A : Micro Economics

Part B Statistics

Project : Topics related to Syllabus

## **SUBJECT : PHE**

### **RATIONALE**

Health and Physical Education is concerned with total health of the learner and the community besides physical health, it includes mental, social and emotional health of the learners who defines health as a state of physical, mental and social well being and not merely the absence of diseases or infirmity. The aim of health and physical education is to enable the students to attain such a state of health that it becomes an education for the total human being.

### **OBJECTIVES OF PHYSICAL EDUCATION**

1. To help in health mental upliftment with all round physical progress of an individual.
2. To create physically and mentally healthy citizens.
3. To make children physically capable, well-built and strong and also assist them to develop a balanced personality.
4. To generate in an individual qualities like leadership, Sportsmanship, Self-disciplined, cooperation etc.
5. To keep mental tension and pressure away from child.
6. To train children in facing various types of difficulties and solving problems.

5. Unit-V : States of Matter
6. Unit-VI : Thermodynamics
7. Unit-IX : Hydrogen

## **SYLLABUS FOR CYCLE TEST-II**

1. Unit-VII Equilibrium
2. Unit-VIII Redox reaction
3. Unit-XII Organic Chemistry : Some Basic Principles and Techniques
4. Unit XIII Hydrocarbon
5. Unit X S-Block elements

## **SYLLABUS FOR FINAL EXAMINATION : Full Syllabus**

## **SUBJECT : BIOLOGY**

1. To understand the history of Biology.
2. To know about different streams of Biology.
3. To develop the interest of students in Biology
4. To understand the basic fundamental unit of life.
5. To understand the importance of Biodiversity, its classification, types and conservation.
6. To understand the basics of human physiology.
7. To study the interaction of various living org. with their biotic and abiotic components.
8. To gain the initial knowledge of plants physiology and plant morphology.
9. To understand the mechanism of reproduction in living organisms.
10. To develop the scientific attitude in the students.
11. To know about various scientific organisation.

12. To develop a scientific/practical approach in students for solving of any problem.

S.NO.	MONTH	NAME OF THE LESSON/TOPIC
1	APRIL	L-1 The Living World
		L-2 Biological classification
2	MAY	L-3 Plant Kingdom (Contd)
		L-4 Animal Kingdom
3	JULY	L-5 Morphology in Flowering Plants
4	AUGUST	L-6 Anatomy in Flowering Plants
		L-7 Structural Organisation in Animals
		L-8 Cell : The Unit of Life
		L-9. Biomolecules
5	SEPT.	L-10. Cell Cycle and Cell Division
		L-11 Transport in Plants
6	OCTOBER	L-12 Mineral Nutrition
		L-13 Photosynthesis in Higher Plants
7	NOVEMBER	L-14 Respiration in Plants
		L-15 Plant Growth and Development
		L-16 Digestion and Absorption
		L-17 Breathing and Exchange of Gases
8	DECEMBER	L-18. Body fluid and Circulation
		L-19. Excretory Products and their Elimination
		L-20. Locomotion and Movement
9	JANUARY	L-21 Neural Control and Co-ordination
		L-22 Chemical Co-ordination and Integration Revision
10.	FEBRUARY	Test Series

3. Development of understanding that there can be more than one view on any economic issue and necessary skills to argue logically with reasoning.

S.NO.	MONTH	NAME OF THE LESSON/TOPIC
1	APRIL	UNIT-1 Introduction to MicroEconomics
		UNIT-2 Consumer Behaviour-Cardinal Approach
2	MAY	UNIT-2 Consumer Behaviour & Demand
3.	JUNE+ JULY	UNIT-3 : Producer Behaviour and Supply
5	AUGUST	UNIT-3 : Producer Behaviour and Supply
		UNIT-4 : Forms of Market and Equilibrium Price
6	SEPT.	UNIT-5 Introduction to Statistics
		UNIT-6 Collection organisation of data
7	OCTOBER	UNIT-7 Presentation of Data
8.	NOVEMBER	UNIT-8 Measures of Central Tendency
9	DECEMBER	UNIT-9 Measures of Dispersion
10	JANUARY	UNIT-10 Co-relation and Index Nos.
11.	FEBRUARY	Revision of full syllabus

**SYLLABUS FOR CYCLE TEST-I**

- Unit-1 Introduction to Micro Economics
- Unit-2 Consumer Behaviour - Cardinal Approach

**SYLLABUS FOR (HALF YEARLY EXAMINATION)**

- Unit-1 Introduction to Micro Economics
- Unit-2 Consumer Behaviour
- Unit-3 : Producer Behaviour and Supply
- Unit-4 Forms of Market

### **SYLLABUS FOR CYCLE TEST-I**

1. Nature and Purpose of Business
2. Forms of Business Organisations

### **SYLLABUS FOR (HALF YEARLY EXAMINATION)**

1. Nature and Purpose of Business
2. Forms of Business Organisations
3. Private, Public and Global Services
4. Business Services
5. Emerging Modes of Business

### **SYLLABUS FOR CYCLIC TEST-II**

1. Social Responsibilities of Business ethics
2. Sources of Business Finance

### **SYLLABUS FOR ANNUAL EXAMINATION**

Full Syllabus

### **SUBJECT : ECONOMICS**

1. At Senior Secondary stage, it is imperative to provide students opportunities to acquire analytical skills to observe and understand the economic realities. It is at this stage, the learners are exposed to the economic realities that the nation is facing today. It also contain many projects and activities. The syllabus is also expected to provide opportunities to use information and communication technologies to facilitate their learning process.

#### **OBJECTIVES:**

1. Understanding of some basic economic concepts and development of economic reasoning which the learners can apply in their day to day life as citizens, workers and consumers.
2. Equipment with basic tools of economics and statistics to analyse economic issues.

### **SYLLABUS FOR CYCLE TEST-I**

- Chapter-1 Diversity of Living Organisms  
Chapter-2 Biological Classification

### **SYLLABUS FOR (HALF YEARLY EXAMINATION)**

- Chapter-1 Diversity of Living Organisms  
Chapter-2 Biological Classification  
Chapter-3 Plant Kingdom  
Chapter-4 Animal Kingdom  
Chapter-5 Morphology of Flowering plants.  
Chapter-6 Anatomy of Flowering Plants  
Chapter-7 Structural Organization in Animals  
Chapter-8 Cell : The Unit of Life  
Chapter-9 Biomolecules

### **SYLLABUS FOR CYCLE TEST-II**

- Chapter-1 Diversity of Living Organisms  
Chapter-2 Biological Classification  
Chapter-3 Plant Kingdom  
Chapter-4 Animal Kingdom  
Chapter-5 Morphology of Flowering plants.  
Chapter-6 Anatomy of Flowering Plants  
Chapter-7 Structural Organization in Animals  
Chapter-8 Cell : The Unit of Life  
Chapter-9 Biomolecules  
Chapter 10 Cell Cycle and Cell Division  
Chapter 11 Transportation in Plants

### **SYLLABUS FOR ANNUAL EXAMINATION**

- Chapter-1 Diversity of Living Organisms  
Chapter-2 Biological Classification

- Chapter-3 Plant Kingdom
- Chapter-4 Animal Kingdom
- Chapter-5 Morphology of Flowering plants.
- Chapter-6 Anatomy of Flowering Plants
- Chapter-7 Structural Organization in Animals
- Chapter-8 Cell : The Unit of Life
- Chapter-9 Biomolecules
- Chapter 10 Cell Cycle and Cell Division
- Chapter 11 Transportation in Plants
- Chapter 12 Mineral Nutrition
- Chapter 13 Photosynthesis in Higher Plants
- Chapter 14 Respiration in Plants
- Chapter 15 Plant, Growth and Development
- Chapter 16 Digestion and Absorption
- Chapter 17 Breathing and Exchange of Gases
- Chapter 18 Body Fluids and Circulation
- Chapter 19 Excretory Products and their Elimination
- Chapter 20 Locomotion and Movement
- Chapter 21 Neural control and Coordination
- Chapter 22 Chemical Coordination and Integration

## **SUBJECT : COMPUTER**

### **AIMS, OBJECTIVES & IMPORTANCE OF TEACHING COMPUTER SCIENCE**

#### **AIMS**

- To produce programmers equipped with an understanding of
- fundamental computational concepts underlying most programming languages
- a range of problem solving techniques using computers

## **SUBJECT : BUSINESS STUDIES**

To develop students with an understanding of history of commerce and various activities of Business.

- To develop an interest of the students in the theory and practice of Business, Trade and Industry.
- To familiarize the students with the various forms of organizations and their various advantages and disadvantages.
- To help students appreciate the ethical environment of the business.
- To acquaint students with the various sources of e-business, BPO and KPO.
- To enable students to act more effectively and responsibly as an entrepreneur.
- To acquaint students with various procedures for import and export trade.
- To generate interest between the students related to various internal source of business.
- To develop a business attitude in students.

<b>S.NO.</b>	<b>MONTH</b>	<b>NAME OF THE LESSON/TOPIC</b>
1	APRIL	1. Nature and purpose of Business Org.
2	MAY	2. Forms of Business Organisation
3.	JUNE/JULY	3. Public Private and Global Enterprises
3	AUGUST	4. Business Services
4	SEPT.	5. Emerging modes of Business
5	OCTOBER	6. Social Responsibilities of Business Ethics
6.	NOVEMBER	7. Sources of Business Finance
7	DECEMBER	8. Small Business
		9. Internal Trade
8	JANUARY	10 International Business
9	FEBRUARY	Revision

3	AUGUST	1. Ledger 2. Trial Balance 3. Depreciation
5	SEPT.	1. Cash Books 2. Other Book 3. Bank Reconciliation Statement
6	OCTOBER	1. Bill of Exchange 2. Rectification of errors
7	NOVEMBER	1. Accounts from Incomplete Records 2. Financial Statement without adjustment.
8	DECEMBER	1. Financial Statements (with adjustments)
9	JANUARY	1. Computerised Accounting/Project Work
10	FEBRUARY	Revision

### **SYLLABUS FOR CYCLE TEST-I**

1. Introduction , Basic Accounting term, Basic of Accounting, Accounting Concept and conventions, Accounting equations

### **SYLLABUS FOR (HALF YEARLY EXAMINATION)**

1. Cycle Test-I Syllabus + Journal + ledger + Trial Balance + Depreciation + Cash books + Book bonus + Bank Reconciliation Statement + Bill of Exchange.

### **SYLLABUS FOR CYCLE TEST-II**

Incomplete records ; Rectification of Error, Bank Reconciliation Statemet, Financial Statement, without adjustment.

### **SYLLABUS FOR ANNUAL EXAMINATION**

Complete Syllabus

- the role of programming within the overall software development process
- attitudes and working practices appropriate for a professional programmer and skills supporting
- the solution of small problems using a programming language
- the clear expression of solutions at different levels of abstraction
- independent and self-motivated study in Computing Science.

### **Objectives**

On completion of the course, the student should

### **Knowledge** - know about:

- techniques for solving problems
- basic computational concepts and elementary data structures
- the edit-compile-link-run cycle from a user point of view
- testing strategies
- \* the main activities of software development and their interactions, and some of the major problems of software development

### **Skills** - be able to:

- hand-execute simple programs, showing how input data is processed, output data is produced, and how the values of internal variables change
- explain at various levels the behaviour of fragments of programming language code
- amend existing programs to adjust or correct their functionality
- translate well-structured plans into working programs
- analyse simple problems involving text, numbers and graphics, producing a top-level plan with refinements
- use the error messages of the compiler to identify and correct mistakes in program syntax
- use testing strategies to identify and correct semantic errors in programs

S.NO.	MONTH	NAME OF THE LESSON/TOPIC
1	APRIL	Computer System Organisation
2	MAY	Python Programming Fundamentals Conditional and Looping Constructs String in Python
3	JULY	Data Representation and Boolean Logic
4	AUGUST	Database Concepts
5	SEPT.	List in Python Tuples and Dictionary
6	OCTOBER	Structured Query Language (SQL)
7	NOVEMBER	Cyber Safety
8	DECEMBER	Error and Exception Handling in Python
9	JANUARY	More examples on using strings in Python
10	FEBRUARY	Doubt Clearing Session

#### **SYLLABUS FOR CT-I**

- \* Computer system Organisation
- \* Python Programming Fundamentals

#### **SYLLABUS FOR (HALF YEARLY EXAMINATION)**

- \* Computer system Organisation
- \* Python Programming Fundamentals
- \* Conditional and Looping constructs
- \* String in Python
- \* Data Representation and Boolean Logic
- \* Data Base Concepts

#### **SYLLABUS FOR CT-II**

- \* Computer system Organisation

- \* Python Programming Fundamentals
- \* Conditional and Looping constructs
- \* String in Python
- \* Data Representation and Boolean Logic
- \* Data Base Concepts
- \* Lists in Python
- \* Tuples and Dictionary

#### **SYLLABUS FOR PRE-BOARD-II**

Complete Syllabus

#### **SUBJECT : ACCOUNTS**

1. To learn the accounting process in a systematic way.
2. To learn the formats of Journal, ledgers and trial balance.
3. Help to know that how to prepare the profit and loss and balance sheet.
4. Help to learn the computerized Accounting.
5. Help to learn the business transactions and its nature.
6. Help to learn the basic accounting terms, accounting concepts and conventions.
7. Help to learn the Accounting in practical way.

S.NO.	MONTH	NAME OF THE LESSON/TOPIC
1	APRIL	1. Introduction to Accounting 2. Basic Accounting Terms 3. Cash and Accrual Basis of Accounting 4. Accounting concept and conventions.
2	MAY	1. Accounting Equation 2. Rules of Debit and Credit 3. Journal