

## Termwise Syllabus(2021-22)

### Class XI

### ENGLISH

<b>TERM1</b>	
MONTH	CHAPTER/ UNIT NAME
JULY / AUGUST	Hornbill : L 1 The Portrait OF A Lady Poem : A Photograph Snapshot : L 1 The Summer of the Beautiful White House L 2 The Address Grammar: Determiners , Re-ordering of Sentences
September	Hornbill : L 2 We Are Not Afraid to Die....If We Can All Be Together Poem : The Laburnum Top Snapshot : L 3 Ranga's Marriage Grammar: Tenses , Transformation of sentences Writing : Notice writing , Speech
October	Hornbill : L 3 Discovering Tut: the Saga Continues L 4 Landscape of the Soul Writing : Business or Official Letters ( Making enquiries , registering Complaints , asking for or giving information , placing Orders and sending replies )
<b>TERM 2</b>	
MONTH	CHAPTER / UNIT NAME
November	Hornbill : L 5 The Ailing Planet : The Green Movement's Role Poem : The Voice of The Rain Grammar: Determiners
December	Hornbill : L 6 The Browning Version Poem : Childhood Snapshot : L 4 Albert Einstein At School Grammar: Re – ordering of Sentences Writing : Posters , Debate
January	Hornbill : L 8 Silk Road Snapshot : L 5 Mother's Day (Play ) Writing : Official Letters : eg., to school / college authorities ( regarding admissions , school issues , requirements / Suitability of courses )
February	Snapshot : L 7 Birth Grammar : Tenses , Transformation of Sentences

## MATHS

<b>Term 1</b>	
Month	Chapter/Unit Name
July	Chapter 9 Sequences and Series
August	Chapter 9 (continued) Chapter 1 Sets
September	Chapter 2 Relations and Functions Chapter 5 Complex numbers and Quadratic equations
October	Chapter 10 Straight lines Chapter 13 Limits and Derivatives (Limits)

	Chapter 15 Statistics
November	Revision Exams
<b>Term 2</b>	
Month	Chapter/Unit Name
December	Chapter 3 Trigonometric functions Chapter 6 Linear Equalities Chapter 16 Probability
January	Chapter 7 Permutations and combinations Chapter 11 Conic Sections Chapter 12 Introduction to Three Dimensional geometry
February	Chapter 13 Limits and Derivatives (Derivatives)
March	Revision Exams

## Business Studies

<b>TERM 1</b>	
MONTH	CHAPTER/ UNIT NAME
August	<b>Ch. 1</b> Evolution and Fundamentals of Business <b>Ch.2</b> Forms of Business Organization
September	<b>Ch.3</b> Public, Private and Global Enterprises <b>Ch.4</b> Business Services <b>Ch.5</b> Emerging Modes of Business <b>Ch.6</b> Social Responsibility of Business and Business Ethics
October	<b>REVISION + VIVA+ PROJECT SUBMISSION</b>
<b>TERM 2</b>	
November	<b>Ch.7</b> Sources of Business Finance
December	<b>Ch.8</b> Small Business and Entrepreneurship Development <b>Ch.9.</b> Internal Trade
January	<b>Ch.10</b> International Business
February	<b>REVISION + VIVA+ PROJECT SUBMISSION</b>

## ACCOUNTANCY

<b>TERM 1</b>	
MONTH	UNIT/CHAPTER NAME
AUGUST	Ch-1 Introduction to Accounting Ch-2 Basic Accounting Terms Ch-3 Theory Base Accounting ,As and IFRS Ch-4 Process of Accounting and Bases of Accounting Ch-5 Accounting Equations
SEPTEMBER	Ch-7 Books of Original Entry –Journal (with GST) Ch-8 Cash Book Ch-9 Special Purpose Subsidiary Books Ch-11 Ledger PROJECT WORK

OCTOBER	Ch-10 Bank reconciliation Statement Ch-13 Depreciation Ch-14 Provision and Reserve
<b>TERM 2</b>	
NOVEMBER	Ch-15 Bills of Exchange Ch-12 Trial Balance
DECEMBER	Ch-16 Rectification of Errors Ch-17 Financial Statement (without Adjustment)
JANUARY	Ch-18 Financial Statement With Adjustment PROJECT WORK
FEBRUARY	Ch-19 Incomplete Records

## BIOLOGY

<b>TERM 1</b>		
<b>MONTH</b>	<b>UNIT</b>	<b>CHAPTERS</b>
AUGUST	<b>1</b>	Chapter 1-The living world Chapter 2-Biological classification Chapter 3-Plant kingdom
SEPTEMBER	<b>2</b>	Chapter 3-Plant kingdom(cont.) Chapter 4-Animal kingdom Chapter 5-Morphology of flowering plants. Chapter 7-Structural organization in animals
OCTOBER	<b>3</b>	Chapter 8-Cell- The Unit of life Chapter 9-Biomolecules PRACTICALS TERM -1
<b>TERM -II</b>		
NOVEMBER	<b>3&amp;4</b>	Chapter 10-Cell cycle and cell division Chapter 13-Photosynthesis in higher plants.
DECEMBER	<b>4</b>	Chapter 14-Respiration in plants Chapter 15-Plant growth and development
JANUARY	<b>5</b>	Chapter 17-Breathing and exchange of gases Chapter 18-Body fluids and circulation Chapter 19-Excretory products and their elimination
FEBRUARY	<b>5</b>	Chapter 20-Locomotion and movement Chapter 21-Neural control and co-ordination Chapter 22-Chemical co-ordination and integration.

## PHYSICS

<b>TERM - 1</b>	
<b>MONTH</b>	<b>NAME OF THE CHAPTER</b>
JULY	PHYSICAL WORLD UNITS AND MEASUREMENTS
AUGUST	MOTION IN A STRAIGHT LINE MOTION IN A PLANE LAWS OF MOTION

SEPTEMBER	WORK, ENERGY AND POWER SYSTEM OF PARTICLES AND ROTATIONAL MOTION
<b>TERM - II</b>	
OCTOBER	GRAVITATION
NOVEMBER	MECHANICAL PROPERTIES OF SOLIDS MECHANICAL PROPERTIES OF FLUIDS THERMAL PROPERTIES OF MATTER
DECEMBER	THERMODYNAMICS KINETIC THEORY
JANUARY	OSCILLATIONS WAVES

## CHEMISTRY

<b>TERM I</b>	
<b>MONTH</b>	<b>NAME OF THE CHAPTER</b>
JULY	Unit 1: Some basic concepts of chemistry
AUGUST	Unit 1: Some basic concepts of chemistry Unit 2: Structure of Atom
SEPTEMBER	Unit 3: Classification of Elements and periodicity in properties Unit 4: Chemical bonding and molecular structure
OCTOBER	Unit 5: States of matter: Gases and Liquids
<b>TERM - II</b>	
NOVEMBER	Unit 6: Chemical Thermodynamics Unit 7: Equilibrium
DECEMBER	Unit 8: Redox Reactions Unit 9: Hydrogen Unit 10: S- block elements (Alkali and Alkaline Earth metals)
JANUARY	Unit 11: Some p-block elements Unit 12: Organic Chemistry: Some basic principles and techniques
FEBRUARY	Unit 13: Hydrocarbons Unit 14: Environmental Chemistry

## ECONOMICS

<b>TERM I</b>	
JULY	Micro economics introduction
AUGUST	Consumer's equilibrium and Theory of Demand
SEPTEMBER	Statistics introduction
OCTOBER	Collection organization interpretation
NOVEMBER	Statistical tools
<b>TERM II</b>	
DECEMBER	Micro economics – behavior of costs and revenue
JANUARY	Producer's equilibrium and Theory of supply, Market and market equilibrium
FEBRUARY	Statistical tools and its interpretation

## HINDI

TERM 1	
MONTH	CHAPTER/ UNIT NAME

अगस्त	1.कबीर (I)हम तौ एक एक करि जांन (ii)संतो देखत जग बौराना 2.मीरा:(i) मेरे तो गिरिधर गोपाल, दूसरो न कोई (ii)पग घुँघरू बाँधि मीरा नाची 3.प्रेमचंद:नमक का दारोगा 4.कृष्णा सोबती:मियाँ नसीरुद्दीन
सितंबर	1.सुमित्रानंदन पंत:वे आँखें 2.शेखर जोशी:गलता लोहा 3.कुमार गंधर्व:भारतीय गायिकाओं में बेजोड़:लता मंगेशकर
अक्टूबर	अभिव्यक्ति और माध्यम:शब्द कोष, गन्दर्भ ग्रन्थों की उपयोगी विधि और परिचय एवं समस्त पाठों की पुनरावृत्ति की जाएगी
<b>TERM 2</b>	
नवम्बर	1.भवानी प्रसाद मिश्र:घर की याद 2.कृष्ण नाथ:स्पीति में बारिश 3.राजस्थान की रजत बूँदें 4.व्यवहारिक लेखन:प्रतिवेदन, प्रेस विज्ञप्ति, परिपत्र, कार्यसूची/कार्यवृत्त
दिसम्बर	1.दुष्यंत कुमार:गज़ल 2.कृश्न चन्दर:जामुन का पेड़ 3.आलो आँधारी
जनवरी	1.निर्मला पुतुल:आओ मिलकर बचाएँ 2.जवाहर लाल नेहरू:भारत माता 3.जनसंचार:जनसंचार माध्यमों और पत्रकारिता के विविध आयाम
फरवरी	सभी पाठों की पुनरावृत्ति की जाएगी।

## PAINTING

<b>TERM 1</b>	
MONTH	CHAPTER/ UNIT NAME
August Theory  Practical	*Limbs ,Principals and Elements of Arts. *Prehistoric Rock Paintings. *Art of Indus Valley Civilization *General introduction to Art during Mauryan Period. *Still life in Pencil Shading, Landscape with Black gel pen,Nature study in water colours and Oil pastels.
September Theory Practical	*Introduction to Art during Shung,Kushana and Gupta period. *Introduction to Art of Ajanta Caves. Exercise in Designing Rhythmic and Geometrical One Human figure composition One folk art and one creative still life.
October	Revision and completion of the practical sheets.
<b>TERM 2</b>	

MONTH	CHAPTER / UNIT NAME
November Theory	*Unit 4 Bronzes and artistic Aspects of Indo Islamic Architecture *Introduction to Indian Bronzes. *Methods of casting ( solid hollow) *Study of South Indian Bronzes.
Practical	Still life study in water colours.
December Theory	*Indo Islamic Architecture *Study of Qutub minar and Gol Gumbad.
Practical	Human figure Drawings. Minimum of two Compositions to be prepared.
January Theory	Revision
Practical	Completion of two Still life drawings.

## BHARATNATYAM

<b>TERM -1</b>
<ol style="list-style-type: none"> <li>1. A brief history of Indian Dance.</li> <li>2. Acquaintance with the themes of RAMAYANA-names of all Kandas. BHAGAVATA PURANA - names of all Skandas (Sadhana Skanda Dashavatar, Purushartha Skanda - Daksha, Dhruva, Sthiti Skanda - The story of Manu and the description of the world, Vasana Skanda - Prahlada and Nirodha Skanda - Birth and life of Krishna). GITA GOVINDA - (Samoda Damodaram - Lalita lavangalata, Hariraha, Aklesha Keshava - Rase harim iha, Mugdha Madhusudana - hari hari hatadarataya Vilakshya Lakshmi pati - yahi madhava Chatura Chaturbhuj - priye charushile: Sanjeevani ashtapadi). Acquaintance with other myths and legends pertinent to the Dance form, The Cosmic dance of Siva and significance of Nataraja, The story of Mahishasura Mardini, The legend of Ganesha.</li> <li>3. Acquaintance with its repertoire and literary contents: Definition of the musical terms used in dance- Pushpanjali, Mallari, Kautuvam, Alaripu, Jatiswaram,</li> </ol>
<b>TERM – 2</b>
<ol style="list-style-type: none"> <li>1. A history of Bharatanatyam: Mythological reference from the Natyotpatti in the Abhinaya Darpanam, evolution of the different schools of Bharatanatyam - Tanjavur, Pandanallur and Vazhuvur, contribution of the Tanjore quartet and the present repertoire structure of the dance form.</li> <li>2. Acquaintance with its repertoire and literary contents: definition of the musical terms used in dance: Shabdham, Varnam, Keertanam, Padam, Ashtapadi, Javali and Thillana.</li> <li>3. Distinctive aspects of Bharatanatyam: Costume and jewelry, Language and music style, technical aspects of performance, Basic posture.</li> </ol>

## COMPUTER

MONTH	<b>TERM -1</b>
AUGUST	Unit I: Computer Systems and Organisation
SEPTEMBER	Unit II: Computational Thinking and Programming – 1 (Cont.....)
	<b>TERM- 2</b>
OCTOBER/November	Unit II: Computational Thinking and Programming – 1
DECEMBER	Unit III: Society, Law and Ethics

## PHYSICAL EDUCATION

MONTH	TERM - I
AUGUST	<p>1. CHANGING TRENDS AND CARRER IN PHYSICAL EDUCATION</p> <ul style="list-style-type: none"> <li>• Definition of physical education</li> <li>• Aims and objectives</li> <li>• Concept and principles of integrated physical education</li> </ul> <p>2. OLYMPIC VALUES</p> <ul style="list-style-type: none"> <li>• Ancient and modern Olympic</li> <li>• International Olympic committee</li> <li>• Indian Olympic association</li> <li>• Olympic motto, Olympic flag, Olympic torch</li> <li>• Olympics and doping</li> </ul>
	<p>3. PHYSICAL FITNESS, WELLNESS, AND HEALTHY LIFESTYLE</p> <ul style="list-style-type: none"> <li>• Meaning and importance of physical fitness</li> <li>• Components of physical fitness</li> <li>• Components of wellness</li> <li>• Components of positive lifestyle</li> </ul>
SEPTEMBER	<p>4. TEST AND MEASUREMENT</p> <ul style="list-style-type: none"> <li>• DEFINITIONS</li> <li>• Importance of test and measurement</li> <li>• Calculation of BMI &amp; waist and hip ratio</li> <li>• Somatotype (ectomorph mesomorph endomorph)</li> </ul>
	<p>5. FUNDAMENTALS OF KINESIOLOGY AND PHYSIOLOGY</p> <ul style="list-style-type: none"> <li>• DEFINITIONS</li> <li>• Importance of anatomy and physiology</li> <li>• Functions of various system</li> <li>• Circulatory system, respiratory system, muscular system etc.</li> <li>• Oxygen debt, second wind</li> </ul>
	TERM - II
OCTOBER	<p>6. PHYSICAL EDUCATION AND SPORTS FOR CWSN ( Children with special needs)</p> <ul style="list-style-type: none"> <li>• Aims and objectives of adaptive physical education</li> <li>• Special Olympic Bharat, Paralympic ,</li> <li>• Role of various professionals for children with special needs Counsellor, speech therapists, physical education teacher special education teacher</li> </ul> <p>7. YOGA</p> <ul style="list-style-type: none"> <li>• Meaning and importance of yoga</li> <li>• Elements of yoga</li> <li>• Introduction to asana, pranayama, meditation, yogic kriyas</li> <li>• Yoga for concentration and related asana</li> </ul>

	<ul style="list-style-type: none"> <li>Sukhasana, padmasana, naukasana,</li> </ul>
NOVEMBER	<p>8. PHYSICAL ACTIVITY AND LEADERSHIP TRAINING</p> <ul style="list-style-type: none"> <li>DEFINITION AND IMPORTANCE</li> <li>Leadership qualities and role of a leader</li> <li>Adventure sport</li> <li>Meaning, types of adventure sports</li> <li>Rock climbing, trekking mountaineering, river crossing, River rafting, paragliding</li> <li>Safety measures to prevent sports injuries</li> </ul>
DECEMBER	<p>9. PSYCHOLOGY AND SPORTS</p> <ul style="list-style-type: none"> <li>Definition and importance of psychology in Physical education and sports</li> <li>Define and differentiation between growth and development</li> <li>Adolescent problems and their management</li> </ul> <p>10. TRAINING AND DOPING IN SPORTS</p> <ul style="list-style-type: none"> <li>Meaning and concept of sports training</li> <li>Principles of sports training</li> <li>Meaning and classification of doping</li> <li>Prohibited substance and their effect on the body</li> </ul>

## MUSIC

Month	Theory	Practical
August	Unit 1 : Definitions- Nada, Swar, Shruti, Saptak Unit 4: Taal Notation with Thah, Dugun and Chaugun. Unit 3 : Brief study of Musical elements in Natya Shastra.	Alankar + Lay Taal (2) - Keeping Taals on hand beats.
September	Unit 2 : Brief history of the following – Raag, Khyaal. Unit 5 : Raag Bihag ( Varnan and Raag Notations )	Raag Bihag – Aaroh, Avroh, Pakad, Sargam, Lakshangeet, Chota Khyaal + Taane.
October	Unit 5 : Raag Bhairavi ( Varnan and Raag Notations ) Unit 5 : Recognizing Raga from phrases of Swaras and elaborating them - Raag Bihag and Raag Bhairavi.	Raag Bhairavi – Aaroh, Avroh, Pakad, Sargam, Lakshangeet, Chota Khyaal + Taane. Revision and Doubt clearing session. Ability to recognize the Ragas.
November	Revision.	Revision.

## TERM - II

Month	Theory	Practical
December	Unit 1: Definitions- Thaata, Jati, Laya, Tala, Margi-Desi. Unit 5 : Raag Bhimpalasi ( Varnan + Raag Notations ) Unit 5 : Taal Notation with Thah, Dugun and Chaugun.	Raag Bhimpalasi – Aaroh, Avroh, Pakad, Sargam, Lakshangeet. Taal (1) - Keeping Taals on hand beats.
January	Unit 3 : Life sketch and contribution to music of Musicians. Unit 4 : Knowledge of structure of Tanpura. Unit 2 : Brief study of Dhrupad and Tarana.	Raag Bhimpalasi – Chota Khyaal + Taane And One Devotional Song.
February	Practical File. Unit 5 : Recognizing Raga from phrases of Swaras and elaborating them - Raag Bhimpalasi. + Revision	Ability to recognize the Ragas + Revision and Doubt clearing session.

## HSITORY

<b>TERM 1</b>	
<b>MONTH</b>	<b>CHAPTER / UNIT NAME</b>
August	Theme 2 - Writing and City Life
	Theme 3 - An Empire across Three Continents
September	Theme 4 - The Central Islamic Lands
October	Theme 6 - The Three Orders
<b>TERM 2</b>	
<b>MONTH</b>	<b>CHAPTER / UNIT NAME</b>
November	Theme 7 - Changing Cultural Traditions
December	Theme 9 - The Industrial Revolution
	Theme 10 - Displacing Indigenous People
January	Theme 11 - Paths to Modernisation
February	Revision.

## POLITICAL SCIENCE

<b>TERM 1</b>	
<b>MONTH</b>	<b>NAME OF THE CHAPTER</b>
JULY	<b>PART-A</b> Ch.1-Constitution-Why and How?
AUGUST	Ch.2-Election and Representation
SEPTEMBER	Ch.3- Local Governments

	<b>PART B</b> -Ch.1- Political Theory- An Introduction
OCTOBER	<b>PART B</b> - Ch.2 Rights Ch.3 Development
	<b>TERM - II</b>
NOVEMBER	<b>PART A</b> Ch.4-Legislature Ch.5-Executive
DECEMBER	<b>PART A</b> Ch.6-Judiciary <b>PART B</b> -Ch4-Liberty
JANUARY	<b>PART B</b> -Ch.5-Equality Ch. 6-Peace
FEBRAURY	ANNUAL EXAMINATION