

Carmel Convent Senior Secondary School
Class XII Syllabus (2020-21)

ENGLISH CORE

| MONTH | UNIT/BOOK | WRITING SKILLS |
|------------------|--|--|
| APRIL | FLAMINGO/ UNIT 1 'The Last Lesson' Alphonse Daudet Poem: 'My Mother At 66' Kamala Das VISTAS / UNIT 1 - 'The Third Level' Tom Finny FLAMINGO / UNIT 2 - 'Lost Spring' Aneez jung Poem-'An Elementary School Classroom in a Slum' Stephen Spender. | Comprehension (Two passages of 200 words each with multiple choice) Note making (Two exercises) Advertisements : 1.For Rent 2. Situation Vacant 3. Situation Wanted 4. Matrimonial Writing skills cont. |
| JULY | FLAMINGO/UNIT3 - Deep Water-William Douglas FLAMINGO/UNIT4 - The Rattrap-Selma Lagerloff: Poem: 'Keeping Quiet'-Pablo Neruda Vistas/Tiger King-Kalki 'Journey to the end of the world' - Tushani Doshi Poem: A thing of beauty-John Keats | INVITATIONS : a. formal b. informal AD'S : a. Public Notice, b. Appeal c. Purchase/Sale , d. Lost/Found/Missing-person, object, pet. Job Application, Business Letters -- 1. Placing an order, 2. Cancellation of order, 3. Tenders, 4. Complaints, 5. Change of order |
| AUGUST | Flamingo/unit 4 - The Rat Trap-Selma Lagerloff: Poem; The Roadside Stand-Robert Frost | ADS-Tour and Tourism, Educational Official letters of complaint. |
| SEPTEMBER | Vistas/unit 4 - The Enemy- Pearl. S.Buck Flamingo/unit 5 - Indigo-Louis Fisher Poets and Pancake-unit6. Asoka Mitran. Poem: Aunt Jennifer's Tigers-Adrienne Rich Flamingo/unit 7-The Interview- Christopher Sylvester, Umberto Eco. Vistas-Unit 5-Should Wizard Hit Mommy.- John Updike. Unit 6-On the face of it-Susan Hill | Official letter of Inquiry Article Writing Report Writing-1.News Paper 2. Magazine. Debate Writing |
| OCTOBER | Vistas/unit 7-Evans Tries O Level-Colin Dexter. Unit 8-Memories of childhood- Zitkala-sa, Bama Flamingo/unit 8-Going Places-A.R. Barton | Speech Writing. ASL'S WILL START IN JULY. STUDENTS MAY NOTE.ALL ASL'S MUST BE TAKEN IN THE GIVEN SCHEDULE AS MENTIONED IN THE EXAM TIME TABLE. |

BUSINESS STUDIES

| MONTH | UNIT | TOPIC |
|--------------------------|--------------|---|
| MARCH & APRIL | 1 2 11 | NATURE AND SIGNIFICANCE OF MANAGEMENT PRINCIPLES OF MANAGEMENT MARKETING MANAGEMENT + PROJECT WORK |
| MAY & JULY | 3 4 5 | BUSINESS ENVIRONMENT PLANNING ORGANISING + PROJECT WORK |
| AUGUST | 6 7 | STAFFING DIRECTING |
| SEPTEMBER | 8 | CONTROLLING & REVISION FOR QUARTERLY EXAMINATION |
| OCTOBER | 9 10 | FINANCIAL MANAGEMENT FINANCIAL MARKET + PROJECT WORK |
| NOVEMBER | 12 | CONSUMER PROTECTION REVISION FOR HALF-YEARLY EXAMINATION + PROJECT WORK |
| DECEMBER | --- | REVISION OF ENTIRE SYLLABUS FOR PRE-BOARD EXAMINATION |

ACCOUNTANCY

| MONTH | TOPIC COVERED |
|------------------|---|
| APRIL | PART-B Unit- 4 <ul style="list-style-type: none"> • Financial Statements of a company • Tools of Financial Statement Analysis- Comparative Statements and Common – Size Statements |
| JULY | PART-A Unit -2 Accounting for Partnership Firm <ul style="list-style-type: none"> • Fundamentals • Goodwill: Nature and Valuation • Change in Profit-sharing ratio among the existing partners • Admission of a Partner |
| AUGUST | Unit-2 Accounting for Partnership Firm <ul style="list-style-type: none"> • Retirement of a Partner • Death of a Partner • Dissolution of a Partnership Firm |
| SEPTEMBER | PART –B Accounting Ratios |
| OCTOBER | PART-A Unit-3 Accounting for Companies <ul style="list-style-type: none"> • Accounting for Share capital • Accounting for Debentures • Redemption of Debentures |
| NOVEMBER | PART-B Unit-5 <ul style="list-style-type: none"> • Cash Flow Statement • Financial Statement Analysis |
| DECEMBER | PART-A Unit-1 <ul style="list-style-type: none"> • Financial Statement of Not-for-Profit Organisations |

ECONOMICS

| MONTH | Name of the Chapter |
|--------------|--|
| March | 3 → Macro-Chapter 1 : Some basic concepts of Macro Economics 2→ Macro → Chapter 2 : National Income and related aggregates. 6→ Macro → Chapter 3 : Methods of calculating national Income. |
| April | 2→ Macro → Chapter 4 → Money. 5→ Macro → Chapter 4→ Banking. 7→Indian Economic Development → Chapter 1 : Indian Economy at the time of Independence. 7→ Indian Economic Development → Chapter 2 : Five year planning goals and achievements. 1→ Extra questions → Recapitulations. |
| July | 3→ Pre quarterly examination 5→Indian Economic Development Chapter 4 : Features, problems and policies of agriculture. 6→ Chapter 5 : India's Foreign trade. 6→ Chapter 6 : Economic Reforms since |
| August | 3→ Macro Economics →Chapter 6 : Aggregate Demand and its components. 8→ Macro Economics → short run equilibrium 6→Indian Economic Development → Chapter 7 : Poverty. 6→ Indian Economic Development → Chapter 8 : Human Capital formation. |
| September | 4→ Indian Economic Development Chapter 9 : Rural Development. 2→ Revision for Quarterly Examination 5, 6 → Quarterly Examination. 2→ Rural Development → Continued 5→ Problem of excess Demand and Deficient Demand. |
| October | Indian Economic Development → Chapter 10 4→ Employment and unemployment Dushera Holidays. 4 Indian Economic Development → Chapter 11, Infrastructure. → Diwali Holidays. 4→ Macro Economics → Chapter 9 : → Government Budget. |
| November | → Macro Economic → Chapter 10 4→ Foreign Exchange. 4→ Balance of Payment. 6→ Indian Economic Development Chapter 12 : Environment and Sustainable Development. 7→ Chapter 13 : Development Experience of India, Pakistan and China → A comparative study. |
| December | XII standard Project Work Revision Christmas holiday |

BIOLOGY

| MONTH | CHAPTER |
|--------------|--|
| APRIL | UNIT – 1 Reproduction |
| JULY | UNIT - 2 Genetics And Evolution |
| AUGUST | UNIT – 3 Biology And Human Welfare |
| OCTOBER | UNIT – 4 Biotechnology And Its Application |
| NOVEMBER | UNIT – 5 Ecology And Environment |

CHEMISTRY

| MONTH | NAME OF THE CHAPTER |
|------------------|--|
| APRIL | UNIT I- Solid State UNIT II- Solutions |
| JULY | UNIT III- Electrochemistry UNIT IV - Chemical Kinetics. UNIT V- Surface Chemistry |
| AUGUST | UNIT VI General Principles And Processes Of Isolation Of Elements UNIT VII - P- block elements UNIT VIII - d- f block elements UNIT IX - Haloalkanes And Haloarenes |
| SEPTEMBER | REVISION WITH CLASS TEST |
| OCTOBER | UNIT X- Alcohols And Phenols UNIT XI - Aldehyde And Ketones UNIT XII - Organic Compounds Containing Nitrogen |
| NOVEMBER | UNIT XIII - Biomolecules UNIT XIV - Polymers UNIT XV - Chemistry in everyday life |

PHYSICS

| MONTH | NAME OF THE CHAPTER |
|------------------|--|
| APRIL | UNIT I : Electrostatics 1. Electric charges and field 2. Electric potential and capacitance |
| JULY | UNIT II – Current Electricity 3. Current Electricity UNIT III - Magnetic effect of current AND Magnetism 4. Moving Charges and Magnetism 5. Magnetism and Matter |
| AUGUST | UNIT IV - Electromagnetic induction and Alternating current 6. Electromagnetic induction 7. Alternating current |
| SEPTEMBER | UNIT V - Electromagnetic wave 8. Electromagnetic wave |
| OCTOBER | UNIT VI - Optics 9. Ray optics and optical instruments 10. Wave optics UNIT VII Dual nature of Radiation and matter 11. Dual nature of Radiation and matter |
| NOVEMBER | UNIT VIII – Atoms and Nuclei 12. Atoms 13. Nuclei UNIT IX – Electronic Devices 14. Semiconductor, Electronics :Materials , Devices and simple circuit |

MATHEMATICS

| Month | Chapter |
|--------------|---|
| March | Chapter 3 Matrices (contd...) |
| April | Chapter 3 Matrices Chapter 4 Determinants |
| June | Chapter 2 Inverse trigonometry Chapter 5 Continuity and Differentiability(contd...) |
| July | Chapter 5 Continuity and Differentiability Chapter 6 Applications of Derivatives |
| August | Chapter 7 Integrals Chapter 13 Probability Chapter 12 Linear Programming Problem |
| October | Chapter 8 Application of Integrals Chapter 9 Differential Equations Chapter 10 Vector Algebra |
| November | Chapter 11 3 Dimensional Geometry Chapter 1 Relation and functions |

POLITICAL SCIENCE

| MONTH | CHAPTER |
|----------------|--|
| MARCH APRIL | L 1(Book 1)-The Cold War Era L 2-The End Of Bipolarity L 3-U.S.Hegemony In World Politics |
| JULY | L 4-Alternative Centres Of Power L 5-Contemporary South Asia L 10(Book 2)-Challenges Of Nation Building |
| AUGUST | L 11-Era Of One Party Dominance L 12-Politics Of Planned Development L 13-India's External Relations |
| SEPTEMBER | L 14-Challenges To And Restoration Of The Congress System |
| OCTOBER | L 7(Book 1)-Security In The Contemporary World L 8-Environment And Natural Resources L 9-Globalisation |
| NOVEMBER | L 15(Book 2)-The Crisis Of Democratic Order L 16-Rise Of Popular Movements L 17-Regional Aspirations |
| DECEMBER | L18-Recent Developments In Indian Politics |

HISTORY

| MONTH | CHAPTER |
|----------------|--|
| MARCH APRIL | Chapter 1 Bricks, Beads and Bones Chapter 2 Kings, Farmers and Towns Chapter 3 Kinship, Caste and Class Chapter 4 Thinkers, Beliefs and Buildings |
| JULY | Chapter 5 Through the eyes of Travelers Chapter 6 Bhakti- Sufi Traditions Chapter 7 An imperial capital, Vijaynagara |

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| AUGUST | Chapter 9 Peasants, Zamindars and State Chapter 10 Kings and Chronicles |
| SEPTEMBER | Chapter 11 Colonialism and the countryside |
| OCTOBER | Chapter 12 Rebels and the Raj Chapter 13 Colonial Cities |
| NOVEMBER | Chapter 14 Mahatma Gandhi and the Nationalist Movement Chapter 15 Understanding Partition |
| DECEMBER | Chapter 16 Framing the Constitution |

PHYSICAL EDUCATION

| MONTH | CHAPTER |
|---------------------------------------|--|
| APRIL (ONLINE CLASSES) | 1. PLANNING IN SPORTS <ul style="list-style-type: none"> • meaning and concept • various committees and their responsibility • tournaments: knock-out, league, league cum knock-out • intramurals and extramural • specific sports program |
| JULY | 2. SPORTS AND NUTRITION <ul style="list-style-type: none"> • balance diet: macro and micro nutrients • components of diet • factor affecting diet • eating disorders • energy requirement |
| | 3. YOGA AND LIFESTYLE <ul style="list-style-type: none"> • asana as preventive measures • obesity, asthma, hypertension, backpain • procedure, benefits and contraindication • types of asana • elements of yoga • types of pranayama |
| AUGUST | 4. PHYSICAL EDUCATION AND SPORTS FOR DIFFERENTLY ABLED <ul style="list-style-type: none"> • concept of disability and disorder • types of disability (cognitive, intellectual, physical disability) • types of disorder (ADHD, SPD, ASD, OCD, ODD) • disability etiquettes • strategies to make physical activities |
| | 5. CHILDREN AND WOMEN IN SPORTS <ul style="list-style-type: none"> • motor development and factor affecting it • exercise guideline at different stages • weight training • posture (advantage, causes) • postural deformity • corrective measure • sports participation of women in india • special consideration • female athlete triad • psychological and sociological aspect of sports participation |
| SEPTEMBER | 6. TEST AND MEASUREMENT IN SPORTS |

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| | <ul style="list-style-type: none"> • Kraus Weber test, AAHPER, motor fitness, Rikli and Jones, Harvard step test • Computation of fat percentage • Six minute walk test • Motor fitness test |
| OCTOBER | 7. PHYSIOLOGY AND INJURIES IN SPORTS <ul style="list-style-type: none"> • Gender differences • Physiological factor determining components of physical fitness. • Effect of exercise on various systems of the body • Physiological changes due to aging. • Concept, aim and scope of sports medicine • First aid aim and objective • Sports injuries: classification, cause and prevention • Management of injuries |
| NOVEMBER | 8. BIOMECHANICS AND SPORTS <ul style="list-style-type: none"> • Meaning and importance of bio mechanics • Newton's law of motion • Aerodynamics in sports • Friction and sports • Types of movements • Introduction to axes and planes |
| | 9. PSYCHOLOGY AND SPORTS <ul style="list-style-type: none"> • Understanding stress and coping strategies. • Personality • Motivation • Self esteem • Psychological benefits of exercise |
| DECEMBER | 10. TRAINING IN SPORTS <ul style="list-style-type: none"> • Strength- definition, types and methods of improving strength isotonic, isometric, isokinetic • Endurance- definition, types and methods of improving • Speed- definition, types and methods of improving • Flexibility- definition, types and methods of improving • Coordinative ability- definition, types and methods of improving • Circuit training- meaning and types |

COMPUTER

| MONTH | UNITS |
|------------------|--|
| APRIL | UNIT 2- COMPUTER NETWORKS UNIT 1 - programming and Computational thinking Python revision tour |
| JULY | UNIT 1 - programming and Computational thinking Working with Functions Using Python libraries |
| AUGUST | UNIT 1 - programming and Computational thinking Data File Handling |
| SEPTEMBER | CHAPTER 5 – Program Efficiency |
| OCTOBER | UNIT 3 –Database management Database concepts, Relational data model |

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| | SQL(Structures Query Language) – General concept, data types, SQL commands SQL Functions |
| NOVEMBER | Interface of Python with an SQL database <ul style="list-style-type: none"> - Connecting SQL with Python - Creating Database connectivity Applications - Performing Insert, Update, Delete queries - Display data by using fetchone(), fetchall(), rowcount |
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HINDUSTANI MUSIC (VOCAL)

| MONTH | THEORY (30 MARKS) | PRACTICAL (70 MARKS) |
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| APRIL | <p style="text-align: center;">UNIT-1</p> <p>1.1 -BRIEF STUDY OF THE FOLLOWING: ALANKAR,VARNA,KAN,MEEND, KHATKA,MURKI,GAMAK</p> <p>1.2- BRIEF STUDY OF THE FOLLOWING: SADRA,DADRA,GRAM,MURCHHANA, ALAP,TANA</p> | <p>KNOWLEDGE OF THE STRUCTURE AND TUNING OF TANPURA ALANKAR AND LAY + SWAR OF RAAG BHAIRAV</p> |
| MAY | <p style="text-align: center;">UNIT-4</p> <p>4.1- DESCRIPTION OF PRESCRIBED TAALS ALONG WITH TALA NOTATION : THAH,DUGUN,TIGUN,CHAUGUN</p> | <p style="text-align: center;">TAAL-4 KEEPING TAAL WITH HAND BEATS</p> |
| JULY | <p style="text-align: center;">UNIT-4</p> <p>4.2-STUDY OF VARIOUS PARTS AND TUNING TANPURA</p> <p style="text-align: center;">UNIT-5</p> <p>5.1- CRITICAL STUDY OF PRESCRIBED RAGAS ALONG WITH RECOGNIZING RAGAS FROM PHRASES NOF SWARAS AND ELABORATING RAGAS</p> | <p style="text-align: center;">RAAG BHARAV:</p> <p>i. SARGAM ii. LAKSHAN GEET iii. DRUT KHAYAL iv. VILAMBIT KHAYAL + ALAP & TANA</p> |
| AUGUST | <p style="text-align: center;">UNIT-2</p> <p>2.1-CLASSIFICATION OF RAAGS- ANCIENT, MEDIEVAL & MODERN</p> <p>2.2-HISTORICAL DEVELOPMENT OF TIME THEORY OF RAAGS</p> | <p style="text-align: center;">RAAG MALKAUNS</p> <p>i. SARGAM ii. LAKSHAN GEET iii. DRUT KHAYAL & TANA iv. DHAMAR v. TARANA</p> |
| SEPTEMBER | <p style="text-align: center;">UNIT-3</p> <p>3.1-DETAILED STUDY OF THE FOLLOWING: 1.SANGEET RATNAKAR 2.SANGEET PARIJAT</p> | <p style="text-align: center;">RAAG SHUDDHA SARANG:</p> <p>i. SARGAM ii. LAKSHAN GEET iii. DRUT KHAYAL & TANA + FOLK SONG</p> |

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| OCTOBER | UNIT-3 3.2-LIFE SKETCH AND CONTRIBUTION OF THE FOLLOWING MUSICIANS: 1.ABDUL KARIM KHAN 2.FAIYAZ KHAN 3.BADE GULAM ALI KHAN 4.KRISHNA RAO SHANKAR PANDIT | RAAG BAAGESHRI: i. SARGAM ii. LAKSHAN GEET iii. DRUT KHAYAL iv. VILAMBIT KHAYAL + ALAP & TANA |
| NOVEMBER | UNIT-5 5.2-WRITING IN NOTATIONS THE COMPOSITIONS OF PRESCRIBED RAAGS ** DOUBT CLEARING SESSIONS AS PER WEAK STUDENTS | ABILITY TO RECOGNIZE THE RAAGS + SADRA OR DADRA |
| DECEMBER | REVISION+PRE BOARD | REVISION |
| JANUARY | REVISION+FINAL PRACTICAL | REVISION |

PAINTING

| MONTH | SYLLABUS |
|------------------|--|
| APRIL | Rajsthani School of Miniature Painting. Pahari School of Miniature Painting. |
| MAY | Evolution of Indian National Flag. |
| JULY | Mughal School of Miniature Painting. Deccan School of Miniature Painting. |
| AUGUST | Bengal School of Painting. Evolution of Modern Trends in Indian Art. |
| SEPTEMBER | REVISION |
| OCTOBER | Modern Trends in Indian Art (Painting) Modern Trends in Indian Art (Graphics) |
| NOVEMBER | Modern Trends in Indian Art (Sculpture) |
| DECEMBER | REVISION |
| NOTE: | NOTE : Sheets for practical will be adjusted throughout the Session i.e from July to December for std . XI and April to December for std. XII. |

HINDI

| महीना | पाठ |
|-------------------|---|
| अप्रैल- मई | 1. भक्तिन 2. आत्म परिचय / एक गीत 3. 'सिल्वर वैडिंग' 4. जनसंचार |

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| जुलाई | 1. बाजार दर्शन 2. काले मेघा पानि दे 3. पतंग / उषा / कविता के बहाने 4. जूझ / पत्र लेखन |
| अगस्त | 1. पहलवान की ढोलक 2. चालीं चैपलिन यानी हम सब 3. बात सीधी थी / कैमरे में बंद अपाहिज 4. नमक / अनुच्छेद लेखन |
| सितंबर | 1. सहर्ष स्वीकारा है' 2. बगुलों के पंख' |
| अक्टूबर | 1. शिरीष के फूल 2. अतीत में दबे पाँव 3. तुलसीदास 4. छोटा मेरा खेल / नाटक / काव्य के अंग |
| नवम्बर | 1. श्रम विभाजन और जाति प्रथा , मेरी कल्पना का आदर्श समाज 2. रुबाइयाँ / गज़ल 3. डायरी के पन्ने |
| दिसम्बर | पाठ पुनरावृत्ति |

KATHAK

| Month | Practical | Theory | Step & Riyaz |
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| April | Tehai, Rupak Taal, Amad | 1.Acquaintance with the life sketch of few great exponents from pas and few from present of the Dance form 2. Acquaintance with the life sketch of few great exponents from pas and few from present of the Dance form | Teen Taal Chakkars Knowledge of Indian Dance |
| July | Vandana, Thaata, 2nd Tehaai, Keharv a Taal, Toda | 3.Elementary introduction to the text Natyashastra, Abhinaya Darpan: A) Identification of the author and (approximate date). B) Myths regarding the origin of dance according to each text. C)Basic knowledge regarding the whole of each text, Natyashastra, Abhinaya Darpan | Teentaal Practice Ekgun, Dugun, Tegun, Chaugun and Knowledge about the Indian Culture of Dance |

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| August | 2nd Toda Tukda 2nd Amad Chakkardar Tihai | 4. Basic understandig of the term ABHINAYA and definition of its four aspects angika, vachika, aharya, satvika. 5. Aquitance of the three gharanas of kathak dance (Lucknow, Jaipur, Banaras) | Three Lags Chakkars and One Lags Chakkars |
| September | Paran, Chakkardar Paran, Naika | 6. Rasa: Definition and explanation of nine rasas. 7. Knowledge of the following terms (short note) sangeet, tal, Laya, Sthana, Chari, Gati, Mandala, Karana angahara, Bhramari, Utplavana, Locdharmi, Natyadharmi, Rasa and bhava. | Mudras, Hastak Line finishing |
| October | All three Nayaka Gatnikas and Ram Bhajan | 8. Knowledge of the technical terminology of the dance form. a) Definition of the following. 1. Vandana 2. Tihaayi 3. Aamad 4. Toda/ Tukraa 5. Paran | Developed the lay Skill and taal with lags movement and assailment |
| | | 6. Chakkardar Toda/ Tukraa and paran 7. Gatnikas | |
| November | Taal - Dadra and Ladi, Gatbhav | 9. Acquaintance with the traditional costumers and make up. a) Knowledge of theka of dadra, kaharwa, roopak b) Definition of Tali, Khali, Sam, Tihaayi. c) Ability to Notate Tukraa/ Toda and Paran | Parhant of Tukda/ Toda with Hastakriya |
| December | Practice | Revision | Revision |