

CARMEL CONVENT SR. SEC. SCHOOL
SYLLABUS FOR CLASS XII (2024-25)
ENGLISH

Month	Syllabus
April	<p>Flamingo: Chapter 1- The Last Lesson Poem: 1. My Mother at Sixty Six Vistas: Chapter 1- The Third Level Chapter 2- The Tiger King Creative Writing Skills: 1. Notice Writing 2. Invitations and replies (Formal and informal) Reading Comprehension:</p>
July	<p>Flamingo: Chapter 2- Lost Spring Chapter 3- Deep Water Vistas: Chapter 2- Journey to the end of the Earth Creative Writing Skills: Invitations and replies (continued) Letter to the editor Reading Comprehension: Factual, Descriptive, literary and case based passages</p>
August	<p>Flamingo: Chapter 4 – The Rattrap Chapter 5- Indigo Chapter 6- Poets and Pancakes Poem: A Thing of Beauty, Keeping Quiet Vistas: Chapter 4- The Enemy Creative Writing Skills: Invitations (continued) Job Application</p>
September	<p>Flamingo: Chapter 6- Poets and Pancakes Poem: A Thing of Beauty Vistas: Chapter 6- On the Face of it Creative Writing Skills: Report Writing Reading Comprehension: Continued</p>
October	<p>Flamingo: Chapter 7- The Interview (Part I and II) Poem: A Roadside Stand Flamingo: Chapter 8- Going Places Poem: Aunt Jennifer's Tigers Vistas: Chapter 8- Memories of Childhood <ul style="list-style-type: none"> • The Cutting Of My Long Hair • We Too Are Human Beings Creative Writing skills: Article</p>
November	<p>Flamingo and Vistas (Revision) Reading Comprehension Pre -Board Exam –I</p>
December	<p>Flamingo and Vistas: Revision</p>

हिंदी

माह	पाठ
अप्रैल	1. भक्तिन (गद्य) 2. आत्म परिचय/दिन जल्दी जल्दी ढलता है (काव्य) 3. सिल्वर वेडिंग (वितान)
जुलाई	1. बाजार दर्शन (गद्य) 2. काले मेघा पानी दे (गद्य) 3. जनसंचार माध्यम
अगस्त	1. पहलवान की ढोलक (गद्य) 2. कविता के बहाने/बात सीधी थी पर 3. कैमरे में बंद अपाहिज (काव्य) 4. जूझ (वितान)
सितंबर	1. उषा (काव्य) 2. बादल राग (काव्य) 3. अतीत में दबे पांव (वितान) 4. पत्रकारिता के विविध आयाम, विभिन्न माध्यमों के लिए लेखन
अक्टूबर	1. कवितावली (काव्य) 2. लक्ष्मण मूर्छा और राम का विलाप, (काव्य) 3. रुबाइयां/गज़ल (काव्य) 4. विभिन्न माध्यमों के लिए लेखन एवं विशेष लेखन स्वरूप और प्रकार
नवंबर	1. छोटा मेरा खेत (काव्य) 2. बगुले के पंख (काव्य) 3. शिरीष के फूल (गद्य) 4. कैसे बनती है कविता, नाटक कहानी, डायरी लिखने की कला, कथा पटकथा कहानी का नाट्य रूपांतरण
दिसंबर	1. श्रम विभाजन और जाति प्रथा 2. मेरी कल्पना का आदर्श समाज 3. कैसे बनता है रेडियो नाटक

MATHS

Month	Chapter
April/May	Ch 1- Relations and Functions Ch 3- Matrices Ch 2- Inverse Trigonometric Functions
June-July	Ch 4- Determinants Ch 5- Continuity and Differentiability
August	Ch 6- Applications of Derivatives

September	Ch 13- Probability Ch 12- Linear Programming Problem Ch 7- Integration
October	Ch 8- Applications of Integrals
November	Ch 9- Differential Equations Ch 10- Vector Algebra Ch 11- Three Dimensional Geometry

ACCOUNTANCY

MONTH	TOPIC COVERED
APRIL-MAY	PART-A Unit -2 Accounting for Partnership Firm <ul style="list-style-type: none"> • Fundamentals • Goodwill: Nature and Valuation
JULY	PART-A Unit -2 Accounting for Partnership Firm <ul style="list-style-type: none"> • Goodwill: Nature and Valuation (contd....) • Change in Profit-sharing ratio among the existing partners • Admission of a Partner
AUGUST	PART -A Unit-2 Accounting for Partnership Firm <ul style="list-style-type: none"> • Retirement of a Partner • Death of a Partner PART-B Unit- 4 <ul style="list-style-type: none"> • Financial Statements of a company • Financial Statement Analysis
SEPTEMBER	PART –B <ul style="list-style-type: none"> • Accounting Ratios PART-A <ul style="list-style-type: none"> • Dissolution of a Partnership Firm
OCTOBER	PART-A Unit-3 Accounting for Companies <ul style="list-style-type: none"> • Accounting for Share capital PART-A Accounting for Debentures
NOVEMBER	PART-B Unit-5 <ul style="list-style-type: none"> • Cash Flow Statement Project work
DECEMBER	Revision

BIOLOGY

MONTH	SYLLABUS
April	UNIT VI – REPRODUCTION

	Chapter 1: Sexual Reproduction in Flowering Plants
June/July	UNIT VI – REPRODUCTION (continued) Chapter 2: Human Reproduction Chapter 3: Reproductive Health
August	UNIT VII – GENETICS AND EVOLUTION Chapter 4: Principles of Inheritance and Variation Chapter 5: Molecular Basis of Inheritance
September	UNIT VII - GENETICS AND EVOLUTION (continued) Chapter 6: Evolution
October	UNIT VIII – BIOLOGY AND HUMAN WELFARE Chapter 7: Human Health and Diseases Chapter 8: Microbes in Human Welfare UNIT IX – BIOTECHNOLOGY AND ITS APPLICATIONS Chapter 9: Biotechnology – Principles and Processes Chapter 10: Biotechnology and Its Applications
November	UNIT X – ECOLOGY AND ENVIRONMENT Chapter 11: Organisms and Populations Chapter 12: Ecosystem Chapter 13: Biodiversity and Its Conservation

CHEMISTRY

MONTH	CHAPTERS
April	Ch 1- Solutions Ch 2- Electrochemistry
July	Ch 3- Chemical Kinetics Ch 4- d and f Block elements
August	Ch 5- Coordination Compounds Ch 6- Haloalkanes and Haloarenes
September	Ch7- Alcohols, phenols and Ethers
October	Ch 8- Aldehydes, Ketones and Carboxylic acid
November	Ch 9- Amines
	Ch 10- Biomolecules
December	Revision

PHYSICS

MONTH	SYLLABUS
April	Electrostatics <ul style="list-style-type: none"> • Electric Charges and Fields • Electrostatic Potential and Capacitance
July	Current Electricity
August	Magnetic Effects of Current and Magnetism <ul style="list-style-type: none"> • Moving Charges and Magnetism • Magnetism and Matter
September	Electromagnetic Induction and Alternating Currents <ul style="list-style-type: none"> • Electromagnetic Induction

	<ul style="list-style-type: none"> • Alternating Current • Electromagnetic Waves
October	Optics <ul style="list-style-type: none"> • Ray Optics and Optical Instruments • Wave Optics
November	Dual Nature of Radiation and Matter Atoms and Nuclei <ul style="list-style-type: none"> • Atoms • Nuclei
December	Electronic Devices Semiconductor Electronics: Materials, Devices and Simple Circuits

ECONOMICS

April	Unit 1: (macro)-National income	Practical work /Art Integrated
July	Unit 2: (macro) Money & Banking Unit 3-(macro) government budget & economy	Discussion on project/ (Flow chart). Art Painting
August	Unit 4:(Macro) Continue) Government budget & Unit 6: (ID) a Development experience on the eve of independence	Selection of final topic/ Dramatization: budget declaration by finance minister
September	Unit 6: (ID)-(continue) economic reforms Unit 7: (ID)-current challenges -poverty -Human capital formation Rural development	Planning & organisation of action plan Collage making
October	Unit 5: (macro) balance of payment Foreign exchange Rate Unit 7: (Id) Employment Infrastructure , sustainable development	Updating action plan & data collection
November	Unit 3: Determination of income and employment (macro) Unit 8: (Id) Development experience of India, china, Pak	Mid term assessment by internal examiner
December	Revision	Data analysis & interpretation
		Presentation project
	Final assessment & VIVA by both Internal & external assessment	Final assessment

PHYSICAL EDUCATION

MONTH	CHAPTER
April	1. PLANNING IN SPORTS <ul style="list-style-type: none"> • Function of sports management • Meaning and concept planning • Various committees and their responsibility

	<ul style="list-style-type: none"> • Tournaments: knock-out, league, league cum knock-out • Intramurals and extramurals • Specific sports programme
July	<p>2. CHILDREN AND WOMEN IN SPORTS</p> <ul style="list-style-type: none"> • Motor development and factor affecting it • Common postural deformities. • Kyphosis, lordosis, knock knee , bow leg, flat foot, • Weight training • Special consideration • Meenarch and menstrual dysfunction <p>3. YOGA AS PREVENTIVE MEASURE FOR LIFESTYLE DISEASES</p> <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	<p>4. PHYSICAL EDUCATION AND SPORTS FOR DIFFERENTLY ABLED</p> <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 <p>5. SPORTS AND NUTRITION</p> <ul style="list-style-type: none"> • Balance diet: macro and micro nutrients • Components of diet • Factor affecting diet • Eating disorders • Energy requirement
September	<p>6. TEST AND MEASUREMENT IN SPORTS</p> <ul style="list-style-type: none"> • Fitness test SAI KHELO INDIA FITNESS TEST • Rikli and Jones test • Computation of basal metabolic rate <p>7. KINESIOLOGY, BIOMECHANICS AND SPORTS</p> <ul style="list-style-type: none"> • Meaning and importance of bio mechanics • Newton's law of motion • Equilibrium in sports • Friction and sports • Types of movements
October	<p>8. PHYSIOLOGY AND SPORTS</p> <ul style="list-style-type: none"> • Gender differences • Physiological factor determining components of physical fitness. • Effect of exercise on various systems of the body

	<ul style="list-style-type: none"> Physiological changes due to aging. 9. PSYCHOLOGY AND SPORTS <ul style="list-style-type: none"> Understanding stress and coping strategies. Personality Motivation Psychological benefits of exercise
November	10. TRAINING IN SPORTS <ul style="list-style-type: none"> Concept of talent identification. Sports training cycle. Micro, meso, macro Types and method of developing Strength, speed, endurance, flexibility, coordinative ability. Circuit training and high altitude training.
December	REVISION

PAINTING

MONTH	SYLLABUS
April	History of miniature art Revision Rajasthani School of miniature painting
July	Pahari School of Miniature Painting Mughal School of Miniature Painting Paintings of Mughal School
August	Deccan School of Miniature Painting Evolution of Indian National Flag Bengal School of painting
September	Artist of the Bengal School, Contribution of the artist of Bengal School in National Freedom struggle. Evolution of Modern Trends.
October	Modern Trends in Indian Art PAINTING Modern Trends in Indian Art SCULPTURE
November	Modern Trends in Indian Art GRAPHICS
December	REVISION

MUSIC

Month	Theory	Practical
April	Brief study of the following definitions- Alankar, Varna, Kan, Meend, Khatka, Murki, Gamak, Grama, Murchna, Alaap, Taan,	Alankar + Lay
May	Taal Notation - Jhaptaal, Rupak and Dharmar (Tha, Dugun, Tigun and Chaugun)	Taal (4)
July	a- Classification of Raag b- Historical development of time theory of Raags.	Raag Bageshree, All the concept mentioned with raag "Bhairav"

August	Detail study of the- a- Sangeet Ratnakar b- Sangeet Parijat c- Tuning of Tanpura	Raag "Malkouns" Aroh, Avroh, Pakad Sargam, Laxangeet, Chhotakhyal +Taan. Teen Taal
September	Life Sketch and contribution of- 1. Faiyaz Khan 2. Bade Gulam Ali Khan 3. Krishna Rao Shankar Pandit	Raag Malkouns Tarana-1 Dharmar-1 with Dugun and Chougun
October	Critical study of prescribed ragas along with recognizing ragas from phrases of swaras and elaborating them excluding raag shuddha sarang	Elaborate raag shuddh sarang and practice for all the raag and taals.
November	Pre-Board-1	Revision
December	Revision	Revision
January	Pre-Board-2	

POLITICAL SCIENCE

Month	Chapter
March	Ch 2 – The End of Bipolarity
April	Ch 4-Contemporary Centres of Power
July	Ch 5 -Contemporary South Asia Ch 6 – International Organisations
August	Ch 7 – Security in the Contemporary World Ch 8 – Environment and Natural Resources
September	Ch 9- Globalisation Ch 10- Challenges of Nation Building Ch 11 – Era of One Party Dominance
October	Ch 12-Politics of Planned Development Ch 13- India's External Relations Ch 14 – Challenges to and Restoration of the Congress System
November	Ch 14- The Crisis of Democratic Order Ch 15- Regional Aspirations Ch 16- Recent Developments in Indian Politics
December	PRE - BOARDS

COMPUTER SCIENCE

MONTH	TOPICS
April/May	<ul style="list-style-type: none"> • Review of Python Basics • Computer Networks • Functions in Python: Introduction to user defined functions
July	<ul style="list-style-type: none"> • Functions in Python • Types of Parameters • Global and Local Scope • Mutability and Immutability using various datatypes in functions • Python's In-built functions

August	<ul style="list-style-type: none"> • Using Python Libraries: Modules in Python (string, random, math) • Data File Handling - Text File: opening and closing, reading and manipulating data, appending data. • Binary file: open and close, various operations (read, write, search etc). • Exception Handling
September	<ul style="list-style-type: none"> • File handling: CSV File: Open and close, Read and write operations • Data Structures : List: creating and manipulating, functions and methods related to list. • Stacks in Python: Push and pop operations in Stack using list.
October	<ul style="list-style-type: none"> • Database concepts, relational database model. • SQL: data types, SQL commands, SQL functions. • Joins: equi-join and natural join
November	<ul style="list-style-type: none"> • Interface of python with an SQL database: Connecting SQL with Python,
December	Revision and practice

APPLIED MATHS

Month	Chapter
April/May	Ch 3-Matrices Ch 4-Determinants Ch 5-Higher Order Derivatives Ch 6-Applications of Derivatives
July	Ch 6-Applications of Derivatives(contd.) Ch 7-Integration and its Applications
August	Ch 8-Differential Equations and Modeling
September	Ch 1-Numbers, Quantification and Numerical Applications Ch 2-Numerical Inequalities Ch 9-Probability Distributions
October	Ch 11-Time Based Data Ch 12- Perpetuity, Sinking Funds and EMI
November	Ch 13- Returns and Growth Ch 14- Linear Programming
December	Ch 10-Inferential Statistics

KATHAK

Month	Syllabus
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April	<p>Unit 1-A brief history with other classical dance styles of India</p> <p>Unit 2- Basic understanding of the term Abhinaya and definition of its four aspects-</p> <ul style="list-style-type: none"> • Angika • Vachika • Aharya • Satvika
July	<p>Unit 3- Acquaintance of the three gharanas of kathak dance-</p> <ul style="list-style-type: none"> • Lucknow • Jaipur • Banaras <p>Unit 4- Rasa: definition and explanation of nine rasas</p>
August	<p>Unit 5-Knowledge of the following terms (short note)</p> <ul style="list-style-type: none"> • Sangeet • Tal • Laya • Angahara • Bhramari • Lokadharmi • Natyadharmi • Rasa And Bhava
September	<p>Unit 6- Knowledge of the technical terminology of the dance form</p> <p>Definition of the following</p> <ul style="list-style-type: none"> • Vandana • Tihaayi • Aamad • Toda/Tukraa • Paran • Chakardar Toda /Tukraa andParan • Gatnikas • Gatbhaav • Knowledge of Theka of Dadra, Kaharwa, Roopak • Definition of Tali, Khali, Sam, Tihaayi • Ability to notate a Tukraa/Toda and Paran
October	<p>Unit 7-Acquaintance with the traditional costumes and makeup</p>