

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

ENGLISH CORE

MONTH	UNIT/BOOK
JULY	Flamingo - Unit 3 Deep Water Unit 4 The Rattrap Poem - 'Keeping Quite' Invitations - Formal, Informal, Cards etc Ad's - • Public Notice • Appeals • Purchase/Sale • Lost/Found/Missing person ,object ,pet. Job Application
AUGUST	Flamingo - Unit 5 Indigo- louis fisher. Flamingo - by pearl .s.Buck Vistas - 'A thing of Beauty'- poem by John Keats' Unit 4 The Enemy Ads -'Travel and Tours' and 'Lost and found' Poem - 'AUNT JENNIFER'S TIGER' Poem -The Road Side stand Informal letters

BUSINESS STUDIES

MONTH	UNIT	TOPIC
JULY	3 4 5	Business environment Planning Organising + project work
AUGUST	5 6	Organising (contd) Staffing

ACCOUNTANCY

MONTH	TOPIC COVERED
JULY	ACCOUNTING FOR PARTNERSHIP FIRM • Meaning of partnership • Provision of the Indian Partnership Act 1932 in absence of partnership deed • Fixed and fluctuating capital accounts • Preparation of Profit and Loss Appropriation a/c • Calculation of interest on capital FUNDAMENTAL • Past adjustment relating to interest on capital, interest on drawing etc. • Guarantee of profit to the partner

AUGUST	GOODWILL NATURE AND VALUATION • Meaning of goodwill • Types of goodwill • Methods of goodwill valuation CHANGE IN PROFIT SHARING RATIO • Sacrificing ratio • Accounting for accumulated profit and losses • Preparation of revaluation account and balance sheet
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ECONOMICS

MONTH	Name of the Chapter
July	Ch 1 DEVELOPMENT *What development promises *National Development *How to compare countries *Income and other criteria
August	Ch 1 DEVELOPMENT (CONTINUE) *Public facilities *Sustainable development Ch 2 SECTORS OF THE ECONOMY *Economics activities *Comparing sectors

BIOLOGY

MONTH	CHAPTER
JULY	2. Sexual Reproduction in Flowering plants • Flower Structure • Development of gametophytes • Pollination • Pre-fertilisation; Fertilisation; Post-fertilisation events • Apomixis & Polyembryony 3. Human Reproduction • Male & female reproductive systems • Gametogenesis • Menstrual cycle • Fertilization & Implantation • Pregnancy and Embryonic Development • Parturition 4. Reproductive Health • Significance • Prevention of STDs • Birth control Methods • MTP & Amniocentesis • Infertility & ART
AUGUST	13. Organisms & populations • Habitat & Niche • Population & adaptation • Population interactions • Population attributes

	15. Biodiversity & its conservation • Concept • Pattern • Importance • Loss • Conservation
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CHEMISTRY

MONTH	NAME OF THE CHAPTER
JULY	1. Solid State • Introduction to the chapter • General characteristics of solid state • Distinguish between amorphous and crystalline solids • Classification of Crystalline Solids • Crystal Lattice and Unit Cell • Close Packing of Particles and types of Voids and its Structure • Numerical based on calculating the number per unit cell • Calculate the packing efficiency of different types of cubic unit cell. • Correlate the density of a substance with its unit cells properties • Describe the imperfections in solid and their effects on properties 2. Solution • Introduction to the chapter • Formation of different types of solutions • Expressing Concentration of a solution • Solutions of Solids and Liquids • Factors affecting the solubility of the solid in liquid • Solution of gases in liquids (Factors affecting the solubility and Henry's law) • Vapour Pressure of liquid and Raoult's Law • Ideal and Non Ideal solution
AUGUST	2. Solution (Contd) • Ideal & Non Ideal Solution with positive and negative deviations • Azeotropic and constant boiling mixture • Colligative properties and determination of molar mass a. Relative lowering of vapor pressure b. Elevation in B.P. c. Depression in freezing point d. Osmosis & osmotic pressure • Numericals based on above topics 3. Electro Chemistry • Redox Reaction • Electro-chemical Cells • Conductance of Electrolytic Solutions • Electrical Resistance and Conductance (specific, equivalent & molar • Variation of conductance with dilution (for strong and weak electrolytes • Nernst Equation for calculating the EMF of Galvanic Cell and define standard potential of the cell • Derive relation between standard potential of the cell, Gibbs energy of cell

	reaction and its equilibrium constant • Method for measurement of conductivity of electrolytic solution and calculation of their molar conductivity • Enunciate Kohlrausch law and learn its application 4. Chemical Kinetics • Introduction to the chapter • Average and Instantaneous rate of reaction • Express the rate of reaction in terms of change in concentration of either of the reactants or products with time • Differentiate between the molecularity and order of reaction • Rate constant and its determination • Dependence of rate of reactions on concentration, temperature, and catalyst. • Derivation of integrated rate equations for the zero and first order reaction
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PHYSICS

MONTH	NAME OF THE CHAPTER
JULY	3. Current electricity 14 Semi-conductor 11 Dual nature of radiation and matter 12 Atoms
AUGUST	1 Electric charges and field 2 Electrostatic potential and capacitance

MATHEMATICS

Month	Chapter
July	• Revision of Matrices and Determinants • Relation and Function (Types of relation) • Inverse Trigonometric Functions
August	• Continuity and Differentiability(Differentiation) • Revision

POLITICAL SCIENCE

MONTH	CHAPTER
JULY	L-2 The End Of Bipolarity • Why did the Soviet Union disintegrate • Consequences of Disintegration • Shock Therapy in Post-Communist Regimes • Consequences of Shock Therapy • Tensions and Conflicts • India and Post-communist countries
AUGUST	L-3:New Centres of Power • European Union

	• ASEAN • The Rise of Chinese Economy
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HISTORY

MONTH	CHAPTER
JULY	• The Critical edition of Mahabharata • Kinship and Marriage • Social Differences within and Beyond • Beyond Birth Resources and status. • Explaining Social Differences- A Social Contract • Handling Texts- Historians and the Mahabharata • Mahabharat- A Dynamic Text
AUGUST	Thinkers, Beliefs and Buildings: • A glimpse of Sanchi • The Background- Sacrifices and Debates • The Message of Mahavira • The Budha Enlightenment • Stupas • Sculpture • New Religious Traditions

PHYSICAL EDUCATION

MONTH	CHAPTER
JULY	Unit 1 Planning in sports
AUGUST	Unit 2 Sports and nutrition Unit 3 Yoga and lifestyle

COMPUTER

MONTH	UNITS
JULY	Functions in Python Types of functions User defined functions Parameter passing, returning values, Scope of variables, Passing data objects to functions, functions using string and math inbuilt functions.
AUGUST	Using Python libraries:- Modules and Packages. File handling: Need, types of file. Text File: opening and closing, reading and manipulating data, appending data. Binary file: open and close, various operations (read, write create etc). CSV File: Open and close, Read and write operations.

HINDUSTANI MUSIC (VOCAL)

MONTH	THEORY
JULY	- Historical development of time theory of Ragas - Description of prescribed Talas: Rupak, Jhaptal, Dhamar, along with Tala Notation: Thah, Dugun, Tigun and Chaugun - Description, Aroha-Avaroh - Pakad, Sargam, Lakshan Geet, Drut Khayal with Taanas, Vilambit Khayal with alap and Taanas - Practical's on Aroha-Avaroh - Pakad and Sargam, Drut Khayal with tana
AUGUST	- Continued Rag Bhairav - Bada Khayal, Alap and tana - Detail study of the following: - Sangeet Ratnakar - Sangeet Parijaat - Description, Aroha-Avaroh - Pakad, Sargam, Lakshan Geet, Drut Khayal with Taanas - Tuning of Tanpura & Revision of previous syllabus

PAINTING

MONTH	SYLLABUS
JULY	The origin of miniature paintings. - Pala miniatures - western Indian style - Central Indian Style The Rajasthani School of Miniature Painting. Practical-copy of a Rajasthani Miniature in sketchbook. Study of the sub school Mewar, Jodhpur, Bundi, Bikaner, Kishangarh and Jaipur. Practical-Combining two to three objects and arranging them for still life painting. Practical-human Figure Composition.
AUGUST	- The pahari School of Miniature Painting - Nature drawing - Colouring the drawing - Folk art

HINDI

महीना	पाठ
जुलाई	- कैमरे में बंद अपाहिज (कवि परिचय पाठ का सार मीडिया के कार्य और साक्षात्कार) - बाजार दर्शन (लेखक परिचय व पाठ परिचय बाजार की उपयोगिता बाजार की सार्थकता मॉल संस्कृति भगत जी का व्यक्तित्व) - जूझ (परिचय एवं पाठ का सार पात्र परिचय पात्र गत विशेषताएं संघर्ष पढ़ाई काम करते हुए लक्ष्य को प्राप्त करना)

	कविता के बहाने (कवि परिचय पाठ परिचय प्रकृति पर चर्चा कवि कर्म काव्य की सार्थकता)
अगस्त	- काले मेघा पानी दे (संक्षिप्त लेखक परिचय व पाठ परिचय कृषि कार्य किसान का जीवन जीवन में पानी का महत्व) - कवितावली (तुलसीदास कवि परिचय पाठ परिचय जीविकोपार्जन के उपाय बेरोजगारी भुखमरी राम के प्रति आस्था) - पहलवान की ढोलक (पाठ परिचय पहलवान की जीवन में ढोलक का महत्व उसके जीवन के चार चरण बचपन जवानी बुढ़ापा तथा अंत) - सहर्ष स्वीकारा है (संक्षिप्त कवि परिचय पाठ परिचय जीवन का महत्व)

KATHAK

Month	Topic
July	- Tihaayi Teental Chougun - Types of abhinaya Priad - Three ghemma's lock now jaipur bandhish
August	- Practice of teen taal Tehaayi and Amand Lokadharmi and Natyadharmi - Sangeet, Tal, Lay Anghar, Bhramari - Nine rasa Kaharwa Taal and Doctra taal Vandhna - Paran toda tukda