

CARMEL CONVENT SR. SEC. SCHOOL
SYLLABUS FOR CLASS XI
SESSION : 2026-27

ENGLISH

MONTH	LITERATURE / READER	GRAMMAR	WRITING
APRIL / JUNE	Hornbill: Ch.1- The Portrait of a Lady Poem: A Photograph Snapshots: Ch.1- The Summer of the Beautiful White Horse	Tense (Gap filling)	Classified Advertisement Situation : Vacant/Wanted
JULY	Hornbill: Ch.2 -We're Not Afraid to Die... if We can all be Together Poem: The Laburnum Top Snapshots: Ch.2 - The Address	Clauses : Noun / Adjective / Adverb	Classified Advertisement: * To - Let *Educational
AUGUST	Hornbill: Ch.3 -Discovering Tut : the Saga Continues Poem: The Voice of the Rain Snapshots: Ch.3- Mother's Day Assessment of Listening & Speaking Skills	Re-ordering of Sentences	Note Making
SEPTEMBER	Assessment of Listening & Speaking Skills Revision Quarterly Examination	Revision	Revision
OCTOBER	Hornbill: Ch.5 -The Adventure Poem: Childhood Ch.6 - Silk Road	Transformation of Sentences (Reported Speech)	Poster Making
NOVEMBER	Hornbill: Poem Father to Son Snapshots: Ch.5- Birth	Transformation of Sentences (Active/ Passive Voice)	Speech
DECEMBER	Revision Half Yearly Examination English Project - (Suggestions and Improvements)	Revision	Revision
JANUARY	Snapshots: The Tale of Melon City	Revision (Submission of English Project Portfolio and Viva)	Debate Writing
FEBRUARY	Final Examination	Revision	Revision

MATHEMATICS

MONTH	TOPICS
APRIL	Chapter 1- Sets
JUNE	Chapter 2- Relations and Functions
JULY	Chapter 3- Trigonometric Functions Chapter 8- Sequences and Series
AUGUST	Chapter 4- Complex numbers and Quadratic Equations Chapter 5 -Linear Inequalities Chapter 6 - Permutations and Combinations
SEPTEMBER	Chapter 7 - Binomial Theorem
OCTOBER	Chapter 9- Straight Lines Chapter 10 - Conic Sections
NOVEMBER	Chapter 11 - Introduction to three-dimensional geometry Chapter 14 -Probability
DECEMBER	Chapter 13- Statistics
JANUARY	Chapter 12 – Limits and Derivatives

BIOLOGY

MONTH	UNIT AND NAME OF THE CHAPTER
APRIL	UNIT 1 - DIVERSITY IN THE LIVING WORLD Chapter 1 -The Living World Chapter 2 – Biological Classification
JUNE&JULY	UNIT 1 (Cont.) CHAPTER 3 – PLANT KINGDOM CHAPTER 4- ANIMAL KINGDOM
AUGUST	Unit 2 -Structural Organisation In Plants And Animals Chapter 5- Morphology Of Flowering Plants Chapter 6- Anatomy Of Flowering Plants
SEPTEMBER	Unit 2(Cont.) Chapter 7- Structural Organisation In Animals Quarterly Exams
OCTOBER	Unit 3 -Cell -Structure And Function Chapter 8- Cell: The Unit Of Life Chapter 9- Biomolecules Chapter 10- Cell Cycle And Cell Division
NOVEMBER	Unit 4 -Plant Physiology Chapter 11- Photosynthesis In Higher Plants Chapter 12- Respiration In Plants Chapter 13- Plant Growth And Development
DECEMBER	Unit 5 -Human Physiology Chapter 14-Breathing And Exchange Of Gases Chapter 15-Body Fluids And Circulations Chapter 16-Excretory Products And Their Elimination Half Yearly Examination

JANUARY	Unit 5(Cont.) Chapter 17-Locomotion And Movement Chapter 18-Neural Control And Co-Ordination Chapter 19-Chemical Co-Ordination And Integration.
FEBRUARY	Revision And Annual Examination

CHEMISTRY

MONTH	TOPICS COVERED
APRIL	Unit 1: Some basic concepts of chemistry
JULY	Unit 2: Structure of Atom
AUGUST	Unit 3: Classification of elements and periodicity in properties Unit 4: Chemical bonding and molecular structure
SEPTEMBER	Unit 4: Chemical bonding and molecular structure (contd.)
OCTOBER	Unit 5: Chemical Thermodynamics
NOVEMBER	Unit 5: Chemical Thermodynamics(contd.) Unit 6: Equilibrium
DECEMBER	Unit 6: Equilibrium (contd.) Unit 7: Redox Reactions
JANUARY	Unit 7: Redox Reactions (contd) Unit 8: Organic chemistry: Some basic principles and techniques.
FEBRUARY	Unit 9: Hydrocarbons

PHYSICS

MONTH	SYLLABUS
APRIL	Physical World and Measurement Units and Measurements
JULY	Kinematics • Motion in a Straight Line • Motion in a Plane • Laws of Motion
AUGUST	Work, Energy and Power
SEPTEMBER	System of Particles and Rotational Motion
OCTOBER	Gravitation
NOVEMBER	Properties of Bulk Matter • Mechanical Properties of Solids • Mechanical Properties of Fluids • Thermal Properties of Matter
DECEMBER	Thermodynamics • Thermodynamics • Behavior of Perfect Gases and Kinetic Theory of Gases

	• Kinetic Theory
JANUARY	Oscillations and Waves • Oscillations • Waves

ACCOUNTANCY

MONTH	TOPIC COVERED
APRIL-MAY	PART-A Financial Accounting -I • Introduction to Accounting • Basic Accounting terms
JULY	PART-A Financial Accounting -I • Theory base of Accounting& International Financial Reporting Standard • Process and Bases of Accounting • Accounting Equations
AUGUST	• Goods and Service Tax (GST) • Journal- Books of original entry • Cash Book • Trial balance
SEPTEMBER	• Other Special purpose Book • Ledger • Trial Balance
OCTOBER	• Depreciation • Provision and Reserve
NOVEMBER	PART-B Financial Accounting –II • Financial Statement without Adjustment • Financial Statement with Adjustment

POLITICAL SCIENCE

MONTH	Name of lesson
APRIL	PART-A Ch.1-Constitution-Why and How?
JULY	Ch.2 – Rights in the Indian Constitution Ch. 3 – Election and Representation
AUGUST	Ch.4 – Executive Ch. 5 – Legislature
SEPTEMBER	Ch. 6 – Judiciary Ch. 7- Federalism Ch. 8 – Local Governments
OCTOBER	Ch.9 – Constitution as a Living Document Ch 10 – The Philosophy of the Constitution
NOVEMBER	Ch.1 (PART B) – Political Theory Ch. 2 - Freedom
	Ch. 3– Equality Ch. 4- Justice
DECEMBER	Ch.5– Rights Ch. 6-Citizenship

JANUARY	Ch. 7– Nationalism Ch. 8 - Secularism
FEBRUARY	TERM - 2

HISTORY

MONTHS	CHAPTER NUMBER	CHAPTER NAME
APRIL/MAY	Chapter- 01	Early Societies • 6MYA to 1BCE • Writing & City Life
JUNE	Chapter- 02	Empires • An Empire Across Three Continents
JULY	Revision	Revision
AUGUST	Chapter- 03	Nomadic Empires
SEPTEMBER	Quarterly Exams	Quarterly Exams
OCTOBER	Chapter- 04	The Three Orders
NOVEMBER	Chapter- 05	Changing Cultural Traditions
DECEMBER	Half Yearly Exams	Half Yearly Exams
JANUARY	Chapter- 06	Displacing Indigenous Peoples
	Chapter- 07	Paths to Modernisation
FEBRUARY	Annual Exams	Annual Exams

ECONOMICS

MONTH	MICRO ECONOMICS & STATISTICS
APRIL	CH 1 - INTRODUCTION. & PPC (micro) Chapter 1 : Introduction(Statistics)
JULY	CH .2. THEORY OF CONSUMER BEHAVIOR (Cardinal & ordinal approach (micro) Chapter 2 : Collection of Data (statistics)
AUGUST	CH.3.THEORY OF DEMAND (micro) Chapter 3 : Organisation of Data (Statistics)
SEPTEMBER	CH.4.THEORY OF SUPPLY (micro) Chapter 4 : Presentation of Data (statistics)
OCTOBER	CH.5. PRODUCTION FUNCTION (micro) Chapter 5 : Measures of Central Tendency (statistics)
NOVEMBER	CH.6.CONCEPT OF COST ,& REVENUE,FORMS OF MARKET (micro)

	Chapter 6 : Correlation (statistics)
DECEMBER	CH 7.PRODUCERS EQUILIBRIUM (micro) Chapter 7 : Index Number (Statistics)
JANUARY	CH 8.MARKET EQUILIBRIUM (micro)
FEBRUARY	REVISION

BUSINESS STUDIES

MONTH	TOPICS COVERED
APRIL	UNIT 1: Nature and Purpose of Business
JULY	UNIT 1: Nature and Purpose of Business UNIT 2: Forms of Business Organizations (+ PROJECT WORK)
AUGUST	UNIT 3:Public, Private & Global Enterprises UNIT 4: Business Services UNIT 7: Sources of Business Finance (intro....) + (+ PROJECT WORK)
SEPTEMBER	UNIT 7: Sources of Business Finance (cont....) (+ PROJECT WORK)
OCTOBER	UNIT 5 :Emerging Modes of Business UNIT 6 :Social Responsibility of Business & Business Ethics. (+ PROJECT WORK) UNIT 8 : Small Business (intro.....)
NOVEMBER	UNIT 8: Small Business (Cont....) (+ PROJECT WORK) Revision
DECEMBER	UNIT 9 :Internal Trade. UNIT 10 : International Business (+ PROJECT WORK)
JANUARY	Revision of topics covered + PROJECT WORK
FEBRUARY	Revision of topics covered + PROJECT WORK

HINDUSTANI VOCAL MUSIC

MONTH	Theory	Practical
APRIL	Brief of the following definitions- Nada, Shruti, Dhwani, Swara, Saptak Taal, Margi-desi, Jati, Raag, Laya, Taal, Swarmalika, Lakshangeet, Thaata, Nibaddha gaan and Anibaddha gaan	Alankar and Taal
JULY	Brief history of Dhrupad, Khayal, Tarana and Gharana.	One Raag
AUGUST	Description of Talas and Taal- Notation Knowledge of structure of Tanpura	Keeping tala with hand beats

SEPTEMBER	Quarterly exam	Revision
OCTOBER	Raag Varnan and notation writing of the composition of prescribed ragas	One Raag
NOVEMBER	Brief study of musical elements Contribution and life sketch of musicians	Revision
DECEMBER	Half-yearly exam	Revision
JANUARY	Knowledge of time theory	One devotional song and revision
FEBRUARY	Annual exam	Exam

APPLIED MATHEMATICS

MONTH	TOPICS
APRIL	Chapter 1-Binary Numbers
JUNE	Chapter 2- Indices and Logarithms
JULY	Chapter 2- Indices and Logarithms(continued) Chapter 3- Quantitative Aptitude
AUGUST	Chapter 4- Sets and Relations Chapter 5- Sequences and Series
SEPTEMBER	Chapter 6- Permutations and Combinations Chapter 7- Logical Reasoning
OCTOBER	Chapter 8 -Functions Chapter 9- Limits and Continuity Chapter 10- Derivatives
NOVEMBER	Chapter 12- Descriptive Statistics Chapter 11- Probability
DECEMBER	Chapter 14- Compound Interest and Annuity
JANUARY	Chapter 15- Taxation Chapter 17 – Straight Lines Chapter 18- Circles and Parabolas

COMPUTER SCIENCE(SUBJECT CODE: 083)

MONTH	Unit/Lesson
APRIL	Unit II: Computational Thinking and Programming – I Introduction to Problem-solving: Steps for Problem-solving (Analyzing the problem, developing an algorithm, coding, testing, and debugging), representation of algorithms using flowchart and pseudocode, decomposition
JUNE	Unit II: Computational Thinking and Programming – I Familiarization with the basics of Python programming: Introduction to Python, Features of Python, executing a simple "hello world" program, execution modes: interactive mode and script mode, Python character set, Python tokens(keyword, identifier, literal, operator, punctuator), variables, concept of l-value and R-value, use of comments

	Knowledge of data types: Number(integer, floating point, complex), Boolean, sequence(string, list, tuple), None, Mapping(dictionary), mutable and immutable data types.
JULY	Unit II: Computational Thinking and Programming – I Operators: arithmetic operators, relational operators, logical operators, assignment operators, augmented assignment operators, identity operators (is, is not), membership operators (in not in) Accepting data as input from the console and displaying output. Expressions, statement, type conversion, and input/output: precedence of operators, expression, evaluation of an expression type-conversion (explicit and implicit conversion) Errors- syntax errors, logical errors, and run-time errors Unit I: Computer Systems and Organisation Basic computer organisation: Introduction to Computer System, hardware, software, input device, output device, CPU, memory (primary, cache and secondary), units of memory (bit, byte, KB, MB, GB, TB, PB) Types of software: System software (Operating systems, system utilities, device drivers), programming tools and language translators (Assembler, Compiler, and Interpreter), application software , Operating System(OS): functions of the operating system, OS user interface
AUGUST	Flow of Control: introduction, use of indentation, sequential flow, conditional and iterative flow Conditional statements: if, if-else, if-elif-else Iterative Statement: for loop, range(), while loop, break and continue statements, nested loops Unit I: Computer Systems and Organisation Types of software: System software (Operating systems, system utilities, device drivers), programming tools and language translators (Assembler, Compiler, and Interpreter), application software , Operating System(OS): functions of the operating system, OS user interface.
SEPTEMBER	Strings: introduction, string operations (concatenation, repetition, membership and slicing), traversing a string using loops String built-in functions/methods–len(), capitalize(), title(), lower(), upper(), count(), find(), index(), endswith(), startswith(),isalnum(), isalpha(), isdigit(), islower(), isupper(), isspace(),lstrip(), rstrip(), strip(), replace(), join(), partition(), split() QUARTERLY EXAMINATION
OCTOBER	String built-in functions/methods–len(), capitalize(), title(), lower(), upper(), count(), find(), index(), endswith(), startswith(),isalnum(), isalpha(), isdigit(), islower(), isupper(), isspace(),lstrip(), rstrip(), strip(), replace(), join(), partition(), split() Lists: introduction, indexing, list operations (concatenation, repetition, membership and slicing), traversing a list using loops, built-in functions/methods– len(),

	list(), append(), extend(), insert(), count(), index(), remove(), pop(), reverse(), sort(), sorted(), min(), max(), sum(); nested lists
NOVEMBER	Tuples: introduction, indexing, tuple operations (concatenation, repetition, membership and slicing); built-in functions/methods – len(), tuple(), count(), index(), sorted(), min(), max(), sum(); tuple assignment, nested tuple Dictionary: introduction, accessing items in a dictionary using keys, mutability of a dictionary (adding a new term, modifying an existing item), traversing a dictionary, built-in functions/methods – len(), dict(), keys(), values(), items(), get(), update(), del(), del, clear(), fromkeys(), copy(), pop(), popitem(), setdefault(), max(), min(), sorted()
DECEMBER	Introduction to Python modules: Importing module using 'import <module>' and using from statement, importing math module (pi, e, sqrt(), ceil(), floor(), pow(), fabs(), sin(), cos(), tan()); random module (random(), randint(), randrange()), statistics module (mean(), median(), mode()). Boolean logic: NOT, AND, OR, NAND, NOR, XOR, NOT, truth tables and De Morgan's laws, Logic circuits Number System: Binary, Octal, Decimal and Hexadecimal number system; conversion between number systems Encoding Schemes: ASCII, ISCII, and Unicode (UTF8, UTF32) HALF-YEARLY EXAMINATION
JANUARY	Unit III: Society, Law and Ethics Digital Footprints Digital Society and Netizen: net etiquettes, communication etiquettes, social media etiquettes Data Protection: Intellectual property rights (copyright, patent, trademark), violation of IPR(plagiarism, copyright infringement, trademark infringement), open source software and licensing (Creative Commons, GPL and Apache) Cyber Crime: definition, hacking, eavesdropping, phishing and fraud emails, ransomware, cyber trolls, cyber bullying Cyber safety: safely browsing the web, identity protection, confidentiality Malware: viruses, Trojans, adware E-waste management: proper disposal of used electronic gadgets. Information Technology Act (IT Act) Technology and society: Gender and disability issues while teaching and using computers
FEBRUARY	Revision, ProjectWork Annual Practical Exam

PHYSICAL EDUCATION

MONTH	CHAPTERS
APRIL	CHAPTER 1 CHANGING TRENDS AND CAREER IN PHYSICAL EDUCATION

	• Definition of physical education • Aims and objectives • Concept and principles of integrated physical education Concept of adapted physical education.1.
JULY	CHAPTER 2 OLYMPISM • Ancient and modern Olympic • International Olympic committee • Indian Olympic association • Olympic symbols Motto, oath, and anthem • Olympic movement structure IOC, NOC, IFS, other members CHAPTER 3 YOGA • Meaning and importance of yoga • Elements of yoga • Introduction to asana, pranayama, meditation. • Physiological benefits of asana. • Prevention of common lifestyle diseases obesity, diabetes, hypertension, back pain
AUGUST	CHAPTER 4 PHYSICAL EDUCATION AND SPORTS FOR CHILDREN WITH SPECIAL NEED • concept of disability and disorder • types of disability (cognitive, intellectual, physical disability) • Adapted physical education CHAPTER 5 PHYSICAL FITNESS, WELLNESS, AND HEALTHY LIFESTYLE • Meaning and importance of physical fitness • Components of physical fitness • Components of wellness • Components of positive lifestyle • TRADITIONAL SPORTS AND REGIONAL GAMES
SEPTEMBER	CHAPTER 6 TEST AND MEASUREMENT • DEFINITIONS • Importance of test and measurement • Calculation of BMI & waist and hip ratio • Somatotype (ectomorph mesomorph endomorph) CHAPTER 7 FUNDAMENTALS OF ANATOMY AND PHYSIOLOGY • DEFINITIONS • Importance of anatomy and physiology • Functions of various system • Circulatory system, respiratory system, muscular system etc. • Oxygen debt, second wind
OCTOBER	CHAPTER 8 BIOMECHANICS AND SPORTS • Meaning and importance of bio mechanics • Newtons law of motion

	- Principles of biomechanics - Axis and Planes - Types of movements - Application in sports
NOVEMBER	CHAPTER 9 PSYCHOLOGY IN SPORTS - DEFINITION AND IMPORTANCE - Adolescent problems and their management - Laws of learning and transfer of training - Plateau causes of plateau
DECEMBER	CHAPTER 10 TRAINING AND DOPING IN SPORTS - Meaning and concept - Principle of sports training - Warming up and limbering down - Adaptation and recovery - Overload
JANUARY	DOPING - Concept and classification of doping - Prohibited method and substances - Ergogenic aids and doping in sports - Doping control procedure
FEBRUARY	REVISION AND CLASS TEST

PAINTING

MONTH	TOPICS
JULY	Introduction of Basics of Art. Pre Historic Rock Painting. Art Of Indus Valley Civilization.
AUGUST	Buddhist Hindu and Jain Art. Ajanta Caves and its Paintings and Sculptures
SEPTEMBER	. Revision
OCTOBER	Temple Sculpture Bronzes Indo Islamic Architecture
NOVEMBER	. Rajasthani School Of Miniature Painting
DECEMBER	Artists of Rajasthani School of Miniature painting Introduction of Pahari School Miniature Painting
JANUARY	Revision.