FR. AGNEL SCHOOL, NEW DELHI HALF YEARLY EXAMINATION SYLLABUS FOR CLASS XI 2023-24	
SUBJECT	**SYLLABUS**
ENGLISH	READING 1. Comprehension 2. Note making WRITING 1.Classified Advertisement 2.Speech 3.Poster GRAMMAR 1. Reported Speech 2. Transformation of sentences 3. Voice Literature HORNBILL Prose: 1. The Portrait of a Lady 2. We're not Afraid to Die 3. Discovering Tut Poem: 1.A Photograph 2.Laburnum Top SNAPSHOTS 1.The Summer of the Beautiful White Horse 2.The Addres
ACCOUNTANCY	Introduction to accounting including basic accounting terms Theory base of accounting Bases of accounting Accounting equation Rules of debit and credit Source documents and vouchers Journal Ledger Cash book
BUSINESS STUDIES	Unit 1: Evolution and Fundamentals of Business. Unit 2: Forms of Business organization. Unit 3: Public, Private and Multinational Company Unit 4: Business Services Unit 5: Emerging Modes of Business

ECONOMICS	Part A: Statistics for Economics Chapter 1: Economics & Introduction Chapter 2: Meaning Scope & Importance of Statistics Chapter 3: Collection of Data Chapter 4: Organisation of Data Chapter 5: Tabular Presentation Chapter 6: Diagrammatic Presentation Chapter 7: Graphic Presentation Part B: Microeconomics Chapter 1: Introduction Chapter 2: Consumer's Equilibrium Chapter 3: Demand Chapter 4: Elasticity of Demand
MATHEMATICS	Ch 1: Sets Ch 2 : Relations & Functions Ch 3 : Trigonometric Functions Ch 5 : Complex Numbers & Quadratic Equations Ch 6 : Linear Inequalities Ch 7 : Permutations & Combinations Ch 10: Straight Lines Ch 12: Introduction to 3-D Geometry
PHYSICS	Chp-2 Units And Measurements Chp-3 Motion In A Straight Line Chp-4 Motion In A Plane Chp-5 Laws Of Motion Chp-6 Work ,Energy And Power Chp-7 System Of Particles And Rotational Motion
CHEMISTRY	Ch 1: Some basic concepts of chemistry Ch 2: Structure of atom Ch 3: Classification of elements and periodicity in Properties Ch 4: Chemical bonding and molecular structure Ch 6: Thermodynamics
BIOLOGY	Chapter-1: Living world. Chapter-2: Biological Classification Chapter-3: Plant Kingdom Chapter-4: Animal Kingdom Chapter-5: Morphology of Flowering Plants Chapter-6: Anatomy of Flowering Plants Chapter-7: Structural Organisation in Animals Chapter-17: Breathing and Exchange of Gases Chapter-18: Body Fluids and Circulation Chapter-19: Excretory Products and their Elimination

PSYCHOLOGY	Chapter -1: What is Psychology Chapter-2: Methods of Enquiry Chapter-4: Human Development Chapter-5: Sensory, Attentional and Perceptual Processes(only sensation and attention) Practical: Investigatory project based on methods of psychological enquiry
INFORMATICS PRACTICES	Unit 1: Introduction to Computer System Computer Memory: Units of memory, types of memory – primary and secondary, data deletion, its recovery and related security concerns. Software: purpose and types – system and application software, generic and specific purpose software. Unit 2: Introduction to Python Basics of Python programming, Python interpreter - interactive and script mode, the structure of a program, indentation, identifiers, keywords, constants, variables, types of operators, precedence of operators, data types, mutable and immutable data types, statements, expressions, evaluation and comments, input and output statements, data type conversion, debugging. Control Statements: if-else, if-elif-else, while loop, for loop Lists: list operations - creating, initializing, traversing and manipulating lists, list methods and built-in functions – len(),list(),append(),insert(), count(),index(),remove(), pop(), reverse(), sort(), min(),max(),sum()
PHYSICAL EDUCATION	Ch-1 Changing trends and career in physical education Ch-2 Olympic value education Ch-3 Physical fitness,wellness and lifestyle Ch-4 Physical education and sports for CWSN Ch-5 Yoga

COMPUTER SCIENCE	Unit I: Computer Systems and Organization 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 Boolean logic: NOT, AND, OR, NAND, NOR, XOR, truth table, De Morgan's laws and logic circuits Number system: Binary, Octal, Decimal and Hexadecimal number system; conversion between number systems Encoding Schemes: ASCII, ISCII, and Unicode (UTF8, UTF32) Unit II: Computational Thinking and Programming – 1 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 Operators: arithmetic operators, relational operators, logical operators, assignment operator, augmented assignment operators, identity operators(is, is not), membership operators(in, not in) Expressions, statement, type conversion & input/output: precedence of operators, expression, evaluation of expression, python statement, type conversion (explicit & implicit conversion), accepting data as input from the console and displaying output Errors: syntax errors, logical errors, runtime errors Flow of control: introduction, use of indentation, sequential flow, conditional and iterative flow control Conditional statements: if, if-else, if-elif-else, flowcharts, simple programs: e.g.: absolute value, sort 3 numbers and divisibility of a number Iterative statements: for loop, range function, while loop, flowcharts, break and
GEOGRAPHY	Part A: Fundamentals of Physical Geography Ch1: Geography as a Discipline Ch2:The Origin and Evolution of the Earth Ch3: Interior of the Earth Ch4: Distribution of Oceans and Continents Ch5: Geomorphic Process Ch6: Landforms and their Evolution Part B: India: Physical Environment Ch1: India-Location Ch2: India: Structure and Physiography
HISTORY	2.Writing and city life 3.An Empire Across Three Continents 5. Nomadic Empires 6.TheThree Orders

POLITICAL SCIENCE	Part A: Indian Constitution at Work Ch-1 :Constitution: Why and How? Ch-2: Rights in the Indian Constitution Ch-3 :Election and Representation Ch-4 :Executive Ch-5 :Legislature Ch-6 :Judiciary Ch-7 :Federalism Ch-8 :Local Governments Ch-9: Constitution As a Living Document Ch-10: The Philosophy of the Constitution