



VISHAL INTERNATIONAL SCHOOL
YEARLY SYLLABUS -(2023- 2024)
Class - 11
Subject - English

April & May	Snapshot : Chapter 1, 2 Hornbill – Chapter 1, 2 Poetry – A Photograph Grammar – Tenses, Reordering, Editing Writing Skills – Letters, Notice , Advertisement.
July & August	Snapshot : Chapter -5 Hornbill – Chapter -3, 4 Poetry – The Laburnum Top Grammar – Tenses, Error Correction, Gap filling Writing Skills – Advertisement, Poster, Letter, Notice, Note Making, Speech
Half Yearly Exams	Snapshot : Chapter -1,2, 5 Hornbill – Chapter -1,2, 3 Poetry – The Laburnum Top, Photograph Grammar – Tenses, Error Correction, Gap filling Writing Skills – Speech, Advertisement, Poster, Letters, Notice.
September & October	Snapshot : Chapter -5, 7 Hornbill – Chapter -8 Poetry – The Voice of the Rain Grammar – Editing, Tenses, Writing Skills – Article, Speech, Debate, Letters
P.T. - 2	Snapshot : Chapter- 7 Hornbill – Chapter- 8 Poetry – The Voice of the Rain Grammar – Tenses, Editing Task Writing Skills – Unseen Passages, Debate
November & December	Snapshot : Chapter 8 Hornbill : Chapter 8 Poetry – Childhood, Father to son. Grammar – Revision Writing Skills – Debate
Annual exam	Snapshot Chapter- 5 , 7 & 8 Hornbill Chapter - 3 , 4 & 8 Grammar - Tense - Editing , Gap filling Note making Reordering. Writing - Notice , Advertisement , Letters , Speech , Articles & Debate.

Class - 11
Subject - Hindi

अंतरा भाग - 1		अंतराल भाग - 1	अभिव्यक्ति और माध्यम
गद्य खंड	काव्य - खंड		
अप्रैल - मई पाठ- 1 ईदगाह पाठ- 2 दोपहर का भोजन	पाठ - 1 कबीर पाठ - 2 सूरदास		पाठ-1 जनसंचार माध्यम पाठ-2 पत्रकारिता के विविध आयाम
जुलाई - अगस्त पाठ-3 टार्च बेचने वाला पाठ- 4 गूँगे पाठ-5 ज्योतिवा फूले।	पाठ-3 हँसी की चोट,सपना दरबार पाठ- 5 संध्या के बाद।	पाठ- 2 हुसैन की कहानी अपनी जबानी।	पाठ- 3 डायरी लेखन
सितम्बर	पुनरावृत्ति	अर्द्धवार्षिक परीक्षा - 1	
अक्टुबर-नवम्बर पाठ- 6 खाना बंदो । पाठ- 7 उसकी माँ	पाठ- 8 बादल को घिरते देखा है।		पाठ-4 कथा - पटकथा पाठ- 5 कार्यालयी लेखन
दिसम्बर -जनवरी पाठ-8 भारतवर्ष की उन्नति कैसे हो सकती है?	पाठ-9 हस्तक्षेप पाठ-10 घर मे वापसी	पाठ- 3 आवारा- मसीहा	पाठ- 6 स्ववृत्त लेखन और रोजगार आवेदन पत्र पाठ-7 भाब्दको ।
फरवरी	पुनरावृत्ति	वार्षिक परीक्षा	
P.T. - 1	गद्य खंड - पाठ - 1 , 2 काव्य खंड - पाठ - 1	अभिव्यक्ति माध्यम पाठ - 1 कहानी , पत्र	
P.T. - 1	गद्य खंड - पाठ - 6, 7 काव्य खंड - पाठ - 8, 9	अंतराल - पाठ - 3	

Class - XI			
Subject: Chemistry			
S.No.	Month	Name of Chapter	No. of Periods
1	April	Some Basic Concepts of Chemistry	15
		Structure of Atom	18
2	May	Classification of Elements and Periodicity in Properties	15
3	July	Chemical Bonding and Molecular Structure	18
4	August	Thermodynamics	18
HALF YEARLY EXAM			
5	September	Equilibrium	15
6	October	Redox Reactions	14
7	November	Some Basic Concepts of Organic Chemistry	15
8	December	Hydrocarbons	14
9	January	Revision	
FINAL EXAM			
Revision+Practical			

Class - 11	
Subject - Maths	
MONTH	CONTENT
APRIL & MAY P.T. - 1	
JULY	<ul style="list-style-type: none"> ➤ Sets ➤ Relations & Functions ➤ Complex Numbers and Quadratic Equations
AUGUST	<ul style="list-style-type: none"> ➤ Trigonometric Functions ➤ Sequence and Series ➤ Permutations and Combinations
SEPTEMBER	Revision + Half Yearly Exams
OCTOBER	<ul style="list-style-type: none"> ➤ Linear Inequalities ➤ Straight Lines
NOVEMBER	<ul style="list-style-type: none"> ➤ Conic Sections ➤ Introduction to Three-Dimensional Geometry
P.T. - 2	Sequence and Series, Conic Sections, Straight lines, Permutation and combination.
DECEMBER	<ul style="list-style-type: none"> ➤ Limits and Derivatives ➤ Statistics
JANUARY	<ul style="list-style-type: none"> ➤ Probability
FEBRUARY	Whole Syllabus Revision

Class - 11
Subject - Biology

Months	S.No	Chapter's Name
April & May	1.	Diversity in the living World
	2.	Biological Classification
	3.	Plant Kingdom
	4.	Animal Kingdom
PT - 1		
July & August	5.	Morphology of Flowering plants
	6.	Anatomy in Flowering Plants
	7.	Structural organisation in Animals
	8	Cell :- Units of Life
	9.	Biomolecules
Half Yearly Exam		
September & October	10.	Cell cycle and Cell Divison
	11.	Photosynthesis in Higher plants
	12.	Respiration in Plants
	13.	Plant Growth and Development
PT-2		
November & December	14.	Breathing and Exchange of Gases
	15.	Body fluids and Circulation
	16.	Excretory products & their elimination.
January	17.	Locomotion and Movement
	18.	Neural control and Coordination
	19.	Chemical Coordination and Intergration.
Annual Exam		

Class - 11 Accountancy

July & August	<ul style="list-style-type: none">● Introduction to Accounting● Basic Accounting Terms● Theory Base of Accounting● Voucher● Accounting Equation● Rules of Debit and Credit
	<ul style="list-style-type: none">● Recording Journal● Ledger● Cash Book● Special Purpose Books – Others● Bank Reconciliation Statement
P.T.- 1	<ul style="list-style-type: none">● Introduction to Accounting● Basic Accounting Terms● Theory Base of Accounting● Voucher● Accounting Equation● Rules of Debit and Credit
September	Depreciation Revision + Half Yearly Exams <ul style="list-style-type: none">● Introduction to Accounting● Basic Accounting Terms● Theory Base of Accounting● Voucher● Accounting Equation● Rules of Debit and Credit● Recording Journal● Ledger● Cash Book● Special Purpose Books – Others● Depreciation● Bank Reconciliation Statement
P.T.- 2	
October & November	<ul style="list-style-type: none">● Provision & Reserve● Trial Balance● Rectification of Errors
December & January	<ul style="list-style-type: none">● Financial Statement (With Adjustment)● Accounts from incomplete Records Single Entry System
Annual Exams	Entire Syllabus

Class - 11
Subject - Economics

April & May	<ul style="list-style-type: none">● Introduction to Statistics● Collection and Organization of Data● Presentation of Data● Introduction to Microeconomics
P.T. -1	<ul style="list-style-type: none">● Introduction to Statistics● Collection and Organization of Data● Presentation of Data● Introduction to Microeconomics
July & August	<ul style="list-style-type: none">● Consumer Equilibrium & Demand● Measures of Central Tendency Production Function
September	<ul style="list-style-type: none">● Cost Function● Revenue <p>Revision + Half Yearly Exams</p>
Half Yearly Exams	<ul style="list-style-type: none">● Introduction to Statistics● Collection and Organization of Data● Presentation of Data● Introduction to Microeconomics● Consumer Equilibrium & Demand● Measures of Central Tendency Production Function● Cost Function● Revenue
October & November	<ul style="list-style-type: none">● Producer's Equilibrium & Supply● Measures of Dispersion
P.T. -2	<ul style="list-style-type: none">● Producer's Equilibrium & Supply● Measures of Dispersion
December & January	<ul style="list-style-type: none">● Correlation● Index Number● Forms of Market & Price determination under Perfect Competition
Annual Exam	Entire Syllabus

SUBJECT - BUSINESS STUDIES	
April & May	<ul style="list-style-type: none"> ● Nature and Purpose of business ● Form of Business Organization
P.T. -1	Chapter 1 & 2
July & August	<ul style="list-style-type: none"> ● Public, Private and Global Enterprises ● Business Science
September & October	<ul style="list-style-type: none"> ● Emerging Mode of Business ● Social Responsibility of Business
Half Yearly Exams	Chapter 1 to 4
November & December	<ul style="list-style-type: none"> ● Source of Business Finance ● Small Business ● Internal Trade
P.T. - 2	Chapter 5 & 6
January & February	<ul style="list-style-type: none"> ● International Business
Annual Exams	Chapter 2, 3, 5, 6, 7, 9, 10

Class - 11 History	
July	Chapter 1 – Writing and City Life Chapter 3 – An Empire across three Continents
P.T. -1	Chapter 1 & 3
August & September	Chapter 5 – Nomadic Empires Chapter 6 – Three orders
September	Revision + Half Yearly Exams
Half Yearly Exams	Chapter – 1, 3, 5 & 6. Map Work – Chapter – 1, 3, 5 & 6. Project Work – <ul style="list-style-type: none"> ● From the Beginning of Time OR ● Three Orders
October & November	Chapter 7 – Changing Cultural Traditions Chapter 10 – Displacing Indigenous People
P.T. - 2	Chapter – 7 & 10
December	Chapter 11 – Paths to Modernization
Annual Exams	Chapter – 1, 3, 5, 6, 7, 10 & 11 Map Work – 1, 3, 5, 6, 7, 10 & 11 Project Work – <ul style="list-style-type: none"> ● Paths to Modernization

Class - 11 Political Science

April & May	Part – I Chapter 1 – Constitution Chapter 2 – Election and Representation Part - II Chapter 8 – Political Theory Chapter 9 – Liberty Chapter 10 - Equality
P.T. -1	Part – I : Chapter 1, 2 Part – II : Chapter 8, 9, 10
July & August	Part – I Chapter 3 – The Legislature Chapter 4 – The Executive Chapter 5 – The Judiciary Part – II Chapter 11 – Justice Chapter 12 – Rights Chapter 13 - Citizenship
September	Revision + Half Yearly Exams
Half Yearly Exams	Part – I : Chapter 1, 2, 3, 4, 5 Part – II : Chapter 8, 9, 10, 11, 12, 13 Map Work – Chapter 5, 11 Project Work – <ul style="list-style-type: none"> • The Judiciary Or <ul style="list-style-type: none"> • Rights
October & November	Part – I Chapter 6 – Federalisation Chapter 7 – Local Government Part – II Chapter 14 – Nationalism Chapter 15 - Secularism
P.T. - 2	Part – I : Chapter 6, 7 Part – II : Chapter 14, 15.
Annual Exams	Part – I : Chapter 1 to 7 Part – II : Chapter 8 to 15 Map Work – Complete Syllabus Project Work – <ul style="list-style-type: none"> • Local Government OR <ul style="list-style-type: none"> • Secularism

Class - 11 Physics

S. No.	Duration	Evaluation	Syllabus covered
1.	APRIL		2. Units & Measurements 3. Motion in a Straight Line 4. Motion in a plane Practical – 1(a) To determine diameter of a small spherical/cylindrical body by using vernier callipers. (b) To measure internal diameter and depth of a given beaker using vernier calipers and hence find its volume.
2.	MAY		4. Motion in a plane 5. Force & Laws of Motion 6. Work, Energy & Power Practical-2: To measure diameter of a given wire and thickness of a given sheet using a screw gauge. Activity1: To make a paper scale of given least count , e.g., 0.2cm, 0.5cm.
3.	JUNE	Holidays Home Work	Investigatory project report based on some Working model.
4.	JULY	Unit Test I (Syllabus Chapter 2,3,4)	6. Work, Energy & Power (continued) 7.Systems of particles and Rotational Motion Practical-3: To determine volume of an irregular lamina using a screw gauge. Practical-4: To find the radius of curvature of a spherical object using a spherometer. Activity 2: To determine the mass of a given body using a meter scale by principle of moments.
5.	AUGUST	Practical Examination	8. Gravitation 9.Mechanical Properties of Solids Practical-5: To determine the young's modulus of elasticity of the material of a given wire. Activity 3: To plot a graph for a given set of data, with the proper choice of scales and error bar.

6.	SEPTEMBER	Half Yearly Exam (Syllabus Chapter 2,3,4,5,6,7,8)	10.Mechanical Properties of Fluids Practical-6: To find the force constant of a helical spring by plotting a graph between load and extension.
7.	OCTOBER		11.Thermal properties of matter 12.Thermodynamics Practical-7: To study the relationship between the length of a given wire and tension for constant frequency using sonometer. Activity 4: To note the change in level of liquid in a container on heating and interpret the observations.
8.	NOVEMBER		13.Kinetic Theory of Gases Practical-8: To find the speed of sound in air at room temperature using a resonant tube by two resonance positions. Activity 5: To study the effect of load on depression of a suitably clamped metre scale loaded at (i) its end (ii) in the middle.
9.	DECEMBER	Unit Test II (Syllabus Chapter 9,10,11)	14. Oscillations 15. Waves Activity 6: To observe the decrease in pressure with the increase in velocity of a fluid.
10.	JANUARY		Revision for final exam (Full portion-chapter 2 to 15)
11.	FEBURARY	Annual Practical Examination	Revision
12.	MARCH	Annual Examination (Syllabus Chapter 2,3,4,5,6,7,8, 9,10,11,12,13, 14,15)	

Class -XI Subject - Computer

Code No. 083

1. Learning Outcomes

Students should be able to:

- Develop basic computational thinking
- Explain and use data types
- Appreciate the notion of algorithms
- Develop a basic understanding of computer systems- architecture, operating system, and cloud computing
- Explain cyber ethics, cyber safety, and cybercrime
- Understand the value of technology in societies along with consideration of gender and disability issues.

2. Distribution of Marks

Unit No.	Unit Name	Marks	Periods	
			Theory	Practical
I	Computer Systems and Organisation	10	10	10
II	Computational Thinking and Programming - I	45	80	60
III	Society, Law, and Ethics	15	20	—
	Total	70	110	70

3. Unit wise Syllabus

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
- 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)

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
- 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 operators, augmented assignment operators, identity operators (is, is not), membership operators (in not in)

- Expressions, statement, type conversion, and input/output: precedence of operators, expression, evaluation of an expression, type-conversion (explicit and implicit conversion), accepting data as input from the console and displaying output.
- Errors- syntax errors, logical errors, and run-time errors
- Flow of Control: introduction, use of indentation, sequential flow, conditional and iterative flow
- Conditional statements: if, if-else, if-elif-else, flowcharts, simple programs: e.g.: absolute value, sort 3 numbers and divisibility of a number.
- Iterative Statement: for loop, range(), while loop, flowcharts, break and continue statements, nested loops, suggested programs: generating pattern, summation of series, finding the factorial of a positive number, etc.
- Strings: introduction, string operations (concatenation, repetition, membership and slicing), traversing a string using loops, 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, suggested programs: finding the maximum, minimum, mean of numeric values stored in a list; linear search on list of numbers and counting the frequency of elements in a list.
- 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; suggested programs: finding the minimum, maximum, mean of values stored in a tuple; linear search on a tuple of numbers, counting the frequency of elements in a 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(); Suggested programs: count the number of times a character appears in a given string using a dictionary, create a dictionary with names of employees, their salary and access them.
- 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()).

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

4. Practical

S.No.	Unit Name	Marks (Total=30)
1.	Lab Test (12 marks)	
	Python program (60% logic + 20% documentation + 20% code quality)	12
2.	Report File + Viva (10 marks)	
	Report file: Minimum 20 Python programs	7
	Viva voce	3
3.	Project (that uses most of the concepts that have been learnt)	8

5. Suggested Practical List

Python Programming

- Input a welcome message and display it.
- Input two numbers and display the larger / smaller number.
- Input three numbers and display the largest / smallest number.
- Generate the following patterns using nested loops:

Pattern-1	Pattern-2	Pattern-3
* ** *** **** *****	12345 1234 123 12 1	A AB ABC ABCD ABCDE

- Write a program to input the value of x and n and print the sum of the following series:

$$\triangleright 1 + x + x^2 + x^3 + x^4 + \dots + x^n$$

$$\triangleright 1 - x + x^2 - x^3 + x^4 - \dots + x^n$$

$$\triangleright x + \frac{x^2}{2} + \frac{x^3}{3} + \frac{x^4}{4} + \dots + \frac{x^n}{n}$$

$$\triangleright x + \frac{x^2}{-2!} + \frac{x^3}{-3!} + \frac{x^4}{-4!} + \dots + \frac{x^n}{-n!}$$

- Determine whether a number is a perfect number, an Armstrong number or a palindrome.
- Input a number and check if the number is a prime or composite number.
- Display the terms of a Fibonacci series.

- Compute the greatest common divisor and least common multiple of two integers.
- Count and display the number of vowels, consonants, uppercase, lowercase characters in string.
- Input a string and determine whether it is a palindrome or not; convert the case of characters in a string.
- Find the largest/smallest number in a list/tuple
- Input a list of numbers and swap elements at the even location with the elements at the odd location.
- Input a list/tuple of elements, search for a given element in the list/tuple.
- Create a dictionary with the roll number, name and marks of n students in a class and display the names of students who have marks above 75.

6. Suggested Reading Material

- NCERT Textbook for Computer Science (Class XI)
- Support Material on CBSE website
