

Maharshi Patanjali Vidya Mandir Prayagraj



Session: 2026-2027
Syllabus Breakup
Class: XI

ENGLISH

Month	Hornbill	Snapshots	Advanced writing skills&Grammar
April/May/June	1. The portrait of a lady -A Photograph	1.The Summer of the Beautiful White Horse	Tenses
Jul/Aug	2. We're Not Afraid to Die... -The Laburnum Top	2 The Address	Classified Advertisement (Situation Wanted ,Situation Vacant , Property for Sale, Property for Purchase)
Aug/Sep	-The Voice of the Rain		Speech Transformation of Sentences
October	3.Discovering Tut Childhood	5. Mother's Day 7.Birth	Debate
November	7.The Adventure		Re ordering of Sentences
December	8. Silk Road		Poster Making
January		8. The Tale of Melon City	Clauses
February	- Father to Son		Note Making
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UNIT TEST 1	HALFYEARLY	UNIT TEST 2	ANNUAL EXAMINATION
*The Portrait of a Lady, *A Photograph *The Summer of the Beautiful White Horse * Tenses	* All lessons & Topics done in Hornbill, Snapshots , Advanced writing skills & Grammar from April to September	*Discovering Tut, *Childhood * Mother's Day, *Birth * Debate, *Transformation of sentences	*Entire Syllabus

SUBJECT ENRICHMENT: ASL-Listening /Speaking

ART INTEGRATION - Poster

Standard Maths

April	1.Set Theory 2.Relations 3. Functions
May/June	1. A.P. 2. G.P.
July	1. Angle and their Measures 2. Trigonometric Graphs and Identities
August	1.Trigonometric Functions 2. Complex Number
September	1. Quadratic Equations 2.Linear Inequations
October	1. Binomial Theorem 2. Cartesian System of Rectangular Coordinates (Review)
November	1.Straight Lines 2. Circle
December	1. Parabola 2. Ellipse 3.Hyperbola
January	1.Three-D Geometry 2.Limits & Derivatives 3.Statistics
February	1.Permutations and Combinations 2.Probability

Unit Test-1	Chapters covered from April to May
Half Yearly Examination	Chapters covered from April to August
Unit Test -2	Binomial Theorem , Cartesian System of Rectangular Coordinates , Straight Lines , Circle
Annual Examination	Whole Syllabus

Applied Mathematics

April	Set Theory , Relations & Functions ,Graphical representation of functions.
May/June	Types of functions, Sequence & Series (A.P. & G.P.) and its applications
July	Numbers and Quantification
August	Numerical Applications.
September	Calculus (Concepts of Limits)
October	Continuity & Differentiation
November	Probability & Coordinate Geometry -Straight lines
December	Circle, Parabola
January	Descriptive Statistics , Permutations and Combinations
February	Financial Mathematics , Mathematical Reasoning

Ist Unit Test	Chapters covered from April to May
Half Yearly Examination	Chapters covered from April to August
IInd Unit Test	Limits ,Continuity, Differentiation ,Straight lines
Annual Examination	Whole Syllabus

Chemistry

April	Unit 1 : Some Basic Concepts of Chemistry
May- June	Unit 2 : Structure of Atom
July	Unit 2 : Structure of Atom continued Unit 3 : Classification of Elements and Periodic classification
August	Unit 4 : Chemical bonding and Molecular structure
September	Unit : 6 Equilibrium
October	Unit : 6 Equilibrium (continued) Unit 5 : Thermodynamics
November	Unit 5: Thermodynamics (contd.) Unit 7 : Redox Reactions
December	Unit 8: Some basic concepts of organic chemistry
January	Unit 8: Some basic concepts of Organic chemistry (contd) Unit 9: Hydrocarbons
February	Unit 9: Hydrocarbons (contd)

Unit -1	Half-yearly Exam.	Unit -2	Annual Examination
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Unit -1 Some basic concepts of Chemistry	Unit-1 Some basic concepts of Chemistry Unit -2 Structure of Atom Unit-3 - Classification of Elements and Periodic classification Unit -4 Chemical bonding and molecular structure	Unit-6- Equilibrium	Complete Syllabus
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Chemistry Practical

July - October

Analysis of cations

Analysis of anions–Dilutes Ulphuric Acid group & concentrated Sulphuric Acid group

Half Yearly–Analysis of cation + analysis of anions (Only dilute Sulphuric Acid group)

November - February

Analysis of Anions – PO_4^{-3} , SO_4^{-2} , $C_2O_4^{-2}$

Volumetric Analysis

Core Experiments

Annual Exam – Complete Syllabus

Biotechnology

Month	Topics to be covered
April-May	Unit-I (Biotechnology: An overview)
June-July	Unit II (Biomolecules: Building blocks)
August	Unit II (Macromolecules: Structure and function)
September	Revision + Unit III (Introduction of genetic)
October	Unit III (Genes and genomes: Structure and function)
November	Unit IV (Cell growth and development)
December	Unit IV (Cell growth and development) continued.....
January-February revision	Concepts of genetics Structure and function of genes

Unit Test I	Half Yearly	Unit Test II	Annual Exam
Biotechnology: An overview	Biotechnology: An overview * Biomolecules: Building blocks *Macromolecules: Structure and function.	* Concepts of genetic (topics covered in the class)	All chapters.

Art integration: Charts or model (Topic -Genetics)

Practicals:

1. Introduction with the Biotechnology equipments
2. Preparation of buffers and pH determination.
3. Various sterilization methods and techniques (e.g., autoclaving, sterilization of glassware).
4. To study the cell division (mitosis)
5. To calculate mitotic index

6. To prepare solid and liquid media.
7. Dilution and spreading
8. Gram staining
9. To study karyotype
10. Casein protein and Whey protein isolation



Informatics Practices

MONTH	CHAPTER	TOPICS
APRIL- JULY	UNIT 1: INTRODUCTION TO COMPUTER SYSTEM	INTRODUCTION TO COMPUTER AND COMPUTING: EVOLUTION OF COMPUTING DEVICES, COMPONENTS OF A COMPUTER SYSTEM AND THEIR INTERCONNECTIONS, INPUT/OUTPUT DEVICES. 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.
AUGUST	UNIT 2: GETTING STARTED WITH 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.
SEPTEMBER	UNIT 2: CONTROL STATEMENTS	IF, IF-ELSE, FOR LOOP
OCTOBER	UNIT 2: LIST, DICTIONARY & NUMPY	LISTS: LIST OPERATIONS - CREATING, INITIALIZING, TRAVERSING AND MANIPULATING LISTS, LIST METHODS AND BUILT-IN FUNCTIONS. DICTIONARY: CONCEPT OF KEY-VALUE PAIR, CREATING, INITIALIZING, TRAVERSING, UPDATING AND DELETING ELEMENTS, DICTIONARY METHODS AND BUILT-IN FUNCTIONS.
NOVEMBER		
DECEMBER	UNIT 3: DATABASE MANAGEMENT & SQL	DATABASE CONCEPTS: INTRODUCTION TO DATABASE CONCEPTS AND ITS NEED, DATABASE MANAGEMENT SYSTEM. RELATIONAL DATA MODEL: CONCEPT OF DOMAIN, TUPLE, RELATION, CANDIDATE KEY, PRIMARY KEY, ALTERNATE KEY, FOREIGN KEY. ADVANTAGES OF USING STRUCTURED QUERY LANGUAGE, DATA DEFINITION LANGUAGE, DATA QUERY LANGUAGE AND DATA MANIPULATION LANGUAGE, INTRODUCTION TO MYSQL, CREATING A DATABASE USING MYSQL, DATA TYPES DATA DEFINITION: CREATE TABLE, DROP TABLE, AND ALTER TABLE. DATA QUERY: SELECT, FROM, WHERE. DATA MANIPULATION: INSERT

JANUARY	UNIT 4: INTRODUCTION TO THE EMERGING TRENDS	ARTIFICIAL INTELLIGENCE, MACHINE LEARNING, NATURAL LANGUAGE PROCESSING, IMMERSIVE EXPERIENCE (AR, VR), ROBOTICS, BIG DATA AND ITS CHARACTERISTICS, INTERNET OF THINGS (IOT), SENSORS, SMART CITIES, CLOUD COMPUTING AND CLOUD SERVICES (SAAS, IAAS, PAAS); GRID COMPUTING, BLOCK CHAIN TECHNOLOGY.
FEBRUARY	PROJECT WORK.	

TEST -I	INTRODUCTION TO COMPUTER SYSTEM , GETTING STARTED WITH PYTHON
HALF YEARLY EXAMINATION	INTRODUCTION TO COMPUTER SYSTEM , GETTING STARTED WITH PYTHON, CONTROL STATEMENTS
TEST-II	DATABASE MANAGEMENT SYSTEM
ANNUAL EXAMINATION	INTRODUCTION TO COMPUTER SYSTEM, GETTING STARTED WITH PYTHON, CONTROL STATEMENTS, LIST AND DICTIONARY , NUMPY ARRAY, DATABASE MANAGEMENT & SQL, INTRODUCTION TO THE EMERGING TRENDS

INFORMATICS PRACTICES (065) PRACTICAL

MONTH	UNIT	CHAPTER
APRIL- SEPTEMBER	UNIT-1 & UNIT-2	▣ INTRODUCTION TO COMPUTER SYSTEM ▣ GETTING STARTED WITH PYTHON ▣ CONTROL STATEMENTS
OCTOBER- FEBRUARY	UNIT -2, UNIT-3 & UNIT-4	▣ LIST AND DICTIONARY ▣ NUMPY ▣ DATA HANDLING ▣ DATABASE MANAGEMENT & SQL ▣ INTRODUCTION TO THE EMERGING TRENDS

MONTH	TOPICS	LIST OF PRACTICALS	
APRIL-JULY	Programming in Python:	1) To find average and grade for given marks. 2) To find sale price of an item with given cost and discount (%). 3) To calculate perimeter/circumference and area of shapes such as triangle, rectangle, square and circle.	
AUGUST		4) To calculate Simple and Compound interest. 5) To calculate profit-loss for given Cost and Sell Price. 6) To calculate EMI for Amount, Period and Interest. 7) To calculate tax - GST / Income Tax.	
SEPTEMBER		8) To find the largest and smallest numbers in a list. 9) To find the third largest/smallest number in a list. 10) To find the sum of squares of the first 100 natural numbers. 11) To print the first 'n' multiples of given number. 12) To count the number of vowels in user entered string. 13) To print the words starting with a alphabet in a user entered string.	
OCTOBER		14) To print number of occurrences of a given alphabet in each string. 15) Create a dictionary to store names of states and their capitals. 16) Create a dictionary of students to store names and marks obtained in 5 subjects. 17) To print the highest and lowest values in the dictionary.	
NOVEMBER		Data Management : SQL Commands	18) To create a database 19) To create student table with the student id, class, section, gender, name, dob, and marks as attributes where the student id is the primary key.
DECEMBER			20) To insert the details of at least 10 students in the above table. 21) To display the entire content of table.
JANUARY			22) To display Rno, Name and Marks of those students who are scoring marks more than 50. 23) To find the average of marks from the student table. 24) To find the number of students, who are from section 'A'. 25) To display the information all the students, whose name starts with 'AN' (Examples: ANAND, ANGAD,..)
			26) To display Rno, Name, DOB of those students who are born between '2005- 01-01' and '2005-12-31'. 27) To display Rno, Name, DOB, Marks, Email of those male students in ascending order of their names. 28) To display Rno, Gender, Name, DOB, Marks, Email in descending order of their marks. 29) To display the unique section available in the table.

FEBRUARY**Project Work.**

Computer Science

MONTH	CHAPTER/UNIT	TOPICS
APRIL	GETTING STARTED WITH PYTHON, PYTHON FUNDAMENTALS	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, ACCEPTING DATA AS INPUT FROM THE CONSOLE AND DISPLAYING OUTPUT
MAY- JUNE	DATA HANDLING	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)
JULY	DATA HANDLING (Continued)	EXPRESSIONS, STATEMENT, TYPE CONVERSION & INPUT/OUTPUT: PRECEDENCE OF OPERATORS, EXPRESSION, EVALUATION OF EXPRESSION, PYTHON STATEMENT, TYPE CONVERSION (EXPLICIT & IMPLICIT CONVERSION), ERRORS: SYNTAX ERRORS, LOGICAL ERRORS, RUNTIME ERRORS
	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)
AUGUST	FLOW OF CONTROL	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 CONTINUE STATEMENTS, NESTED LOOPS, SUGGESTED PROGRAMS: GENERATING PATTERN, SUMMATION OF SERIES, FINDING THE FACTORIAL OF A POSITIVE NUMBER ETC
SEPTEMBER	INTRODUCTION TO PROBLEM SOLVING	INTRODUCTION TO PROBLEM SOLVING: STEPS FOR PROBLEM SOLVING (ANALYSING THE PROBLEM, DEVELOPING AN ALGORITHM, CODING, TESTING AND DEBUGGING). REPRESENTATION OF ALGORITHMS USING FLOW CHART AND PSEUDO CODE, DECOMPOSITION
OCTOBER	STRING	STRINGS: INTRODUCTION, INDEXING, STRING OPERATIONS (CONCATENATION, REPETITION, MEMBERSHIP & SLICING), TRAVERSING A STRING USING LOOPS, BUILT-IN FUNCTIONS: LEN(), CAPITALIZE(), TITLE(), LOWER(), UPPER(), COUNT(), FIND(), INDEX(), ENDSWITH(), STARTSWITH(), ISALNUM(), ISALPHA(), ISDIGIT(), ISLOWER(), ISUPPER(), ISSPACE(), LSTRIP(), RSTRIP(), STRIP(), REPLACE(), JOIN(), PARTITION(), SPLIT()
	LIST	LISTS: INTRODUCTION, INDEXING, LIST OPERATIONS (CONCATENATION, REPETITION, MEMBERSHIP & SLICING), TRAVERSING A LIST USING LOOPS, BUILT-IN FUNCTIONS: 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
NOVEMBER	TUPLES	TUPLES: INTRODUCTION, INDEXING, TUPLE OPERATIONS (CONCATENATION, REPETITION, MEMBERSHIP & SLICING), BUILT-IN FUNCTIONS: 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	DICTIONARY: INTRODUCTION, ACCESSING ITEMS IN A DICTIONARY USING KEYS, MUTABILITY OF DICTIONARY (ADDING A NEW ITEM, MODIFYING AN EXISTING ITEM), TRAVERSING A DICTIONARY, BUILT-IN FUNCTIONS/METHODS: LEN(), DICT(), KEYS(), VALUES(), ITEMS(), GET(), UPDATE(), 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
DECEMBER	COMPUTER SYSTEM OVERVIEW	BASIC COMPUTER 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 & INTERPRETER), APPLICATION SOFTWARE OPERATING SYSTEM (OS): FUNCTIONS OF OPERATING SYSTEM, OS USER INTERFACE
JANUARY	DATA REPRESENTATION	NUMBER SYSTEM: BINARY, OCTAL, DECIMAL AND HEXADECIMAL NUMBER SYSTEM; CONVERSION BETWEEN NUMBER SYSTEMS. ENCODING SCHEMES: ASCII, ISCII AND UNICODE (UTF8, UTF32)
	BOOLEAN LOGIC	BOOLEAN LOGIC: NOT, AND, OR, NAND, NOR, XOR, TRUTH TABLE, DE MORGAN'S LAWS AND LOGIC CIRCUITS

FEBRUARY	CYBER SAFETY	DIGITAL FOOTPRINTS DIGITAL SOCIETY AND NETIZEN: NET ETIQUETTES, COMMUNICATION ETIQUETTES, SOCIAL MEDIA ETIQUETTES CYBER-CRIME: DEFINITION, HACKING, EAVESDROPPING, PHISHING AND FRAUD EMAILS, RANSOMWARE, CYBER TROLLS AND CYBER BULLYING. CYBER SAFETY: SAFELY BROWSING THE WEB, IDENTITY PROTECTION, CONFIDENTIALITY. MALWARE: VIRUSES, TROJANS, ADWARE INFORMATION TECHNOLOGY ACT (IT ACT)
	SOCIETY, LAW AND ETHICS	DATA PROTECTION: INTELLECTUAL PROPERTY RIGHT (COPYRIGHT, PATENT, TRADEMARK), VIOLATION OF IPR (PLAGIARISM, COPYRIGHT INFRINGEMENT, TRADEMARK INFRINGEMENT), OPEN SOURCE SOFTWARES AND LICENSING (CREATIVE COMMONS, GPL AND APACHE) E-WASTE MANAGEMENT: PROPER DISPOSAL OF USED ELECTRONIC GADGETS. TECHNOLOGY AND SOCIETY: GENDER AND DISABILITY ISSUES WHILE TEACHING AND USING COMPUTERS
Unit Test-- I	GETTING STARTED WITH PYTHON, PYTHON FUNDAMENTALS	
HALF YEARLY EXAMINATION	INTRODUCTION TO PROBLEM SOLVING, GETTING STARTED WITH PYTHON, PYTHON FUNDAMENTALS, DATA HANDLING, INTRODUCTION TO PYTHON MODULES, FLOW OF CONTROL	
Unit Test-- II	STRING, LIST, TUPLES	
ANNUAL EXAMINATION	INTRODUCTION TO PROBLEM SOLVING, GETTING STARTED WITH PYTHON, PYTHON FUNDAMENTALS, DATA HANDLING, INTRODUCTION TO PYTHON MODULES, FLOW OF CONTROL, STRING, LIST, TUPLES, DICTIONARY, COMPUTER SYSTEM OVERVIEW, DATA REPRESENTATION, BOOLEAN LOGIC, CYBER SAFETY, SOCIETY, LAW AND ETHICS	

COMPUTER SCIENCE (PRACTICAL)

MONTH	CHAPTER
APRIL - SEPTEMBER	• GETTING STARTED WITH PYTHON • PYTHON FUNDAMENTALS • DATA HANDLING • FLOW OF CONTROL
OCTOBER- FEBRUARY	• STRING • LIST • TUPLES • DICTIONARY • COMPUTER SYSTEMS AND ORGANISATION

COMPUTER SCIENCE (PRACTICAL)

MONTH	Topics	PRACTICAL
JULY	Programming in Python: I	1. Input a welcome message and display it. 2. Input two numbers and display the larger / smaller number. 3. Input three numbers and display the largest / smallest number. 4. Given two integers x and n, compute x^n. 5. Write a program to input the value of x and n and print the sum of different series. 6. Determine whether a number is a perfect number, an armstrong number or a palindrome. 7. Input a number and check if the number is a prime or composite number. 8. Display the terms of a Fibonacci series. 9. Compute the greatest common divisor and least common multiple of two integers.
AUGUST		

SEPTEMBER		
OCTOBER	Programming in Python: II	10. Count and display the number of vowels, consonants, uppercase, lowercase characters in string.
NOVEMBER		11. Input a string and determine whether it is a palindrome or not; convert the case of characters in a string.
DECEMBER		12. Find the largest/smallest number in a list/tuple
JANUARY		13. Input a list of numbers and swap elements at the even location with the elements at the odd location.
		14. Input a list/tuple of elements, search for a given element in the list/tuple.
		15. Input a list of numbers and find the smallest and largest number from the list.
		16. 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.
FEBRUARY	PYTHON PROJECT BASED ON TOPICS LEARNT IN CLASS	



पाठ्य पुस्तकें -

1.आरोह भाग 1

2.वितान भाग 1

3.अभिव्यक्ति और माध्यम

अप्रैल-

गद्य- नमक का दरोगा

पद्य-कबीर दास का पहला पद

व्याकरण- जनसंचार माध्यम

मई- जून

गद्य-मियां नसीरुद्दीन,

पद्य-मीराबाई के पद (पहला पद)

वितान-गायिकाओं में बेजोड़ लता मंगेशकर

व्याकरण -जनसंचार माध्यम एवं पत्रकारिता

जुलाई -

गद्य- अप्पू के साथ ढाई साल

पद्य-घर की याद

व्याकरण-डायरी लेखन

अगस्त-

गद्य-विदाई संभाषण

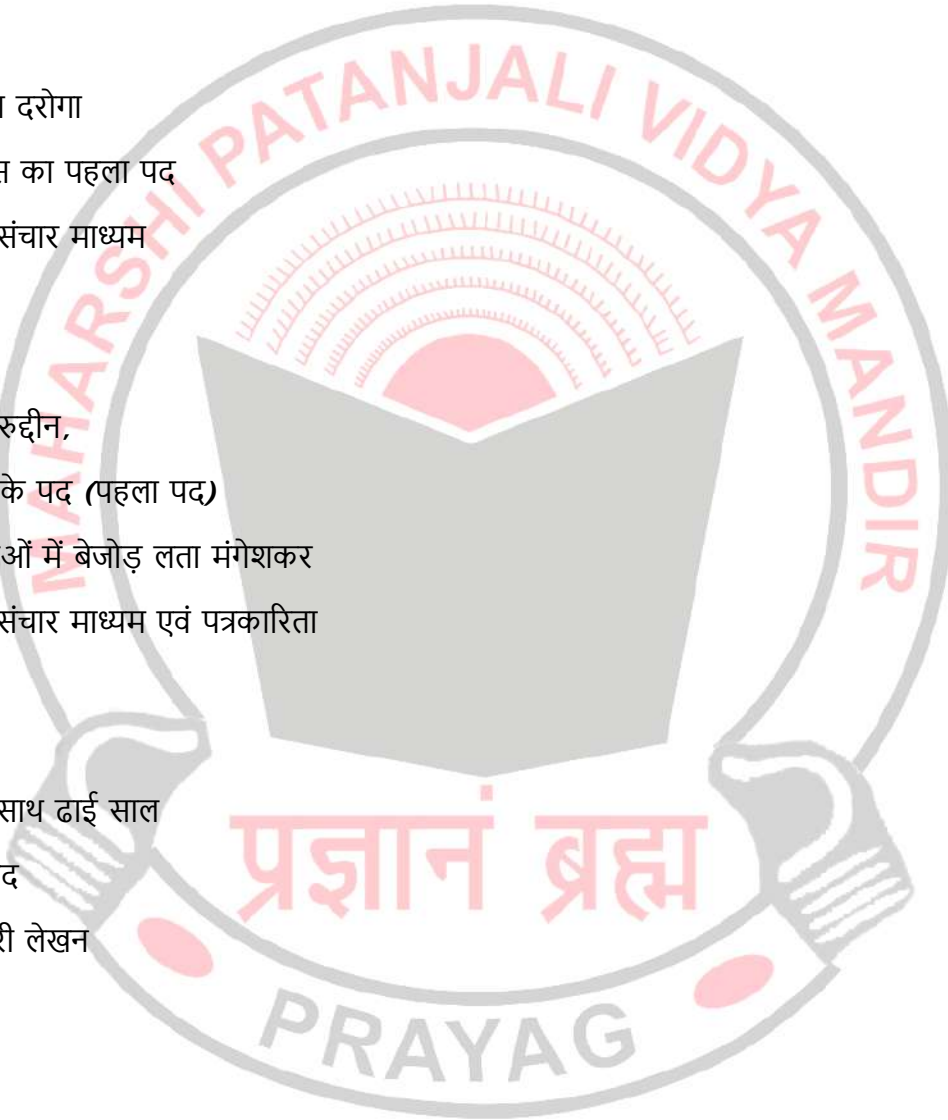
पद्य-चंपा काले काले अच्छर नहीं चीन्हती

वितान -राजस्थान की रजत बूंदें

व्याकरण- रचनात्मक लेखन, स्ववृत्त लेखन

सितंबर-

गद्य- गलता लोहा



पद्य -दुष्यंत कुमार की गजल

व्याकरण -पटकथा लेखन, दृश्य लेखन, शब्दकोश

अक्टूबर-

गद्य- रजनी

पद्य -अक्क महादेवी की दो रचनाएं

वितान -आलो आंधारि बेबी हालदार

व्याकरण-प्रतिवेदन, प्रेस विज्ञप्ति,परिपत्र

नवंबर -

गद्य- जामुन का पेड़

पद्य- सबसे खतरनाक

वितान- समस्त पाठों की पुनरावृत्ति

व्याकरण-पत्र लेखन रोजगार संबंधी आवेदन पत्र इत्यादि का पुनः अभ्यास

दिसंबर -

गद्य- भारत माता

पद्य- आओ मिलकर बचाएं

जनवरी -वर्ष भर पढ़ाए गए संपूर्ण पाठों की पुनरावृत्ति एवं व्याकरणिक अंशों का अभ्यास

प्रज्ञानं ब्रह्म

U T-1	HALF YEARLY	U T- 2	ANNUAL EXAM
गद्य- 1 पद्य- 1 व्याकरण- 1	गद्य-1,2,3,4 पद्य-1,2,3,4 वितान-1,2 व्याकरण - 1,2 रचनात्मक लेखन -पत्र लेखन ,अपठित गद्यांश एवं पद्यांश, शब्दकोश,स्ववृत्त लेखन	गद्य -5,6 पद्य -5,6 व्याकरण- डायरी लेखन, पटकथा लेखन	सम्पूर्ण पाठ्यक्रम
	U T -1 (20%)		UT-1 -10% H.Y.-30% UT-2- 10%

क्रियाकलाप

त्वरित भाषण, कविता वाचन, साक्षात्कार एवं वाद-विवाद

परियोजना कार्य

लेखक ,कवि ,साहित्य एवं विभिन्न सामाजिक एवं जीवन मूल्यों पर आधारित विषयों पर सीबीएसई द्वारा निर्देशित मानकों के आधार पर फाइल वर्क एवं साक्षात्कार।

Legal -Studies

MONTH	CHAPTERS/Topics to be covered
April-May 2026	Unit 1: Chapter 1- Concept of State Chapter 2- Forms and organs of Government Chapter 3- Separation of Powers
June-July 2026	Unit 2: Chapter 1- Salient Features of the Constitution Chapter 2- Administrative Law
	Unit 3: Chapter 1- Jurisprudence, Nature & Meaning of Law
August 2026	Unit 3: Chapter 2- Classification of Laws Chapter 3- Sources of Laws
September 2026	Unit 3: Chapter 4- Law Reforms Chapter 5- Cyber Laws
October 2026	Unit 4: Chapter 1- Judiciary — Constitutional, Civil & Criminal Courts & Processes
November-December 2026	Unit 5: Chapter 1- Marriage & Divorce Chapter 2- Child Rights Chapter 3- Adoption
January 2027	Unit 5: Chapter 4- Property, Succession & Inheritance Chapter 5- Prevention of Violence Against Women Revision of Entire Syllabus
Unit Test-1	Unit 1: Chapter 1 & Chapter 2
Half Yearly Exam	Unit 1: Chapter 3; Entire Unit 2; Unit 3: Chapter 1-4
Unit Test--2	Unit 3: Chapter 4; Entire Unit 4
Final Term Exam	Full Syllabus

PSYCHOLOGY

April	Chapter 1
	What is Psychology
	Project work
May- June	Chapter -2
	Methods of Enquiry in Psychology
July	Chapter -3
	Human Development.
August	Chapter -4
	Sensory, Attention and Perceptual Processes
September	Chapter -5
	Learning
October	Chapter - 6
	Human Memory
	Experiment - 1
November	Chapter - 7
	Thinking
	Art Integrated Project
December	Chapter- 8
	Motivation and Emotion
January.	Experiment -2 Revision work.

Unit- I	Chapters covered from April to May
Half Yearly Examination	Chapters covered from April to August
Unit - 2	Chapters covered from September to November
Final Examination	Full Syllabus

ECONOMICS

MONTH	BOOK	CHAPTERS
April/May	Microeconomics	☞ Central Problems Of an Economy ☞ Consumer's Equilibrium
June-July		☞ Theory Of Demand ☞ Elasticity Of Demand
April/May	Statistics For Economics	1) Introduction to Economics and Statistics 2) Collection of Data Primary and Secondary Data.
July- August	Statistics For Economics	3) Methods Of Collection of Data 4) Organization of Data.
July-August	Micro Economics	5) Supply and Elasticity of Supply.
(UNIT TEST-1) JULY	MICROECONOMICS	CHAPTERS 1-2
	STATISTICS FOR ECONOMICS	CHAPTERS 1-2
August-September	Microeconomics	6) Production. 7) Concept Of Cost 8) Concept Of Revenue
	Statistics For Economics	5) Presentation Of Data 6) Measurement of Central Tendency Mean & Median Mode
HALF YEARLY EXAMINATION	MICROECONOMICS	CHAPTERS 1-7
	STATISTICS FOR ECONOMICS	CHAPTERS 1-6
October	Statistics For Economics	7) Diagrammatic Presentation of Data.

		8) Graphical Presentation Of Data
October	Microeconomics	9) Producer's Equilibrium (MRMC Approach only)
November	Microeconomics	10) Forms Of Market (Perfect Comp only)
November	Statistics For Economics	9) Correlation
December	Microeconomics	- Price Determination under perfect Competition - Simple Application Tools.(Price ceiling & Price Floor, FAD Analysis)
December	Statistics for Economics	10) Index Numbers
(UNIT TEST-2) December	MICROECONOMICS	CHAPTERS 8 , 9 &10
	STATISTICS FOR ECONOMICS	CHAPTERS 7,8 & 9
January & February	Revision & Project Work	
FINAL TERM EXAMINATION (February-March)	MICRO AND STATISTICS	FULL SYLLABUS Covered in Class.

Unit Test- 1	Half Yearly	Unit Test -2	Final Term
Micro Chap 1&2 Stats Chap 1 & 2	Micro Chap 1 to 7 Stats Chap 1 to 6	Micro Chapter 8,9 &10. Stats Chapter 7,8 &9	Micro Full Syllabus Stats Full Syllabus

Physical- Education

Month	Topics to be covered
April May- 2026	Unit-I Changing Trend and career in physical education Unit- II Olympic value education
June/July-August.2026	Unit - III Yoga Unit - IV Physical education and sports for CWNS Unit - V -Physical fitness, health and wellness
Sept. + Oct.2026	Unit - VI Test measurement and evaluation Unit - VII Fundamental of anatomy, physiology in sports Unit -VIII Fundamentals of kinesiology and biomechanics In sports
November - 2026	Unit- IX Psychology and sports
December -2026	Unit - X Training and doping in sports
January+ Feb. - 2027	Unit - I to Unit - 10 Revision classes and fundamentals Skills and games.

Unit Test-1	Half yearly	Unit test-2	Annual Exam
Unit – I changing trend and career in physical education	Unit – III Yoga	Unit VII fundamentals of anatomy, Physiology in sports	All chapters
Unit II – olympic value education	Unit IV – physical education and sports for CWNS		Unit I – Unit X
	Unit V – physical fitness health and wellness	Unit – VIII Fundamentals of kinesiology and biomechanics in sports	
	Unit VI – test measurement and evaluation		
	Unit I and Unit II also		

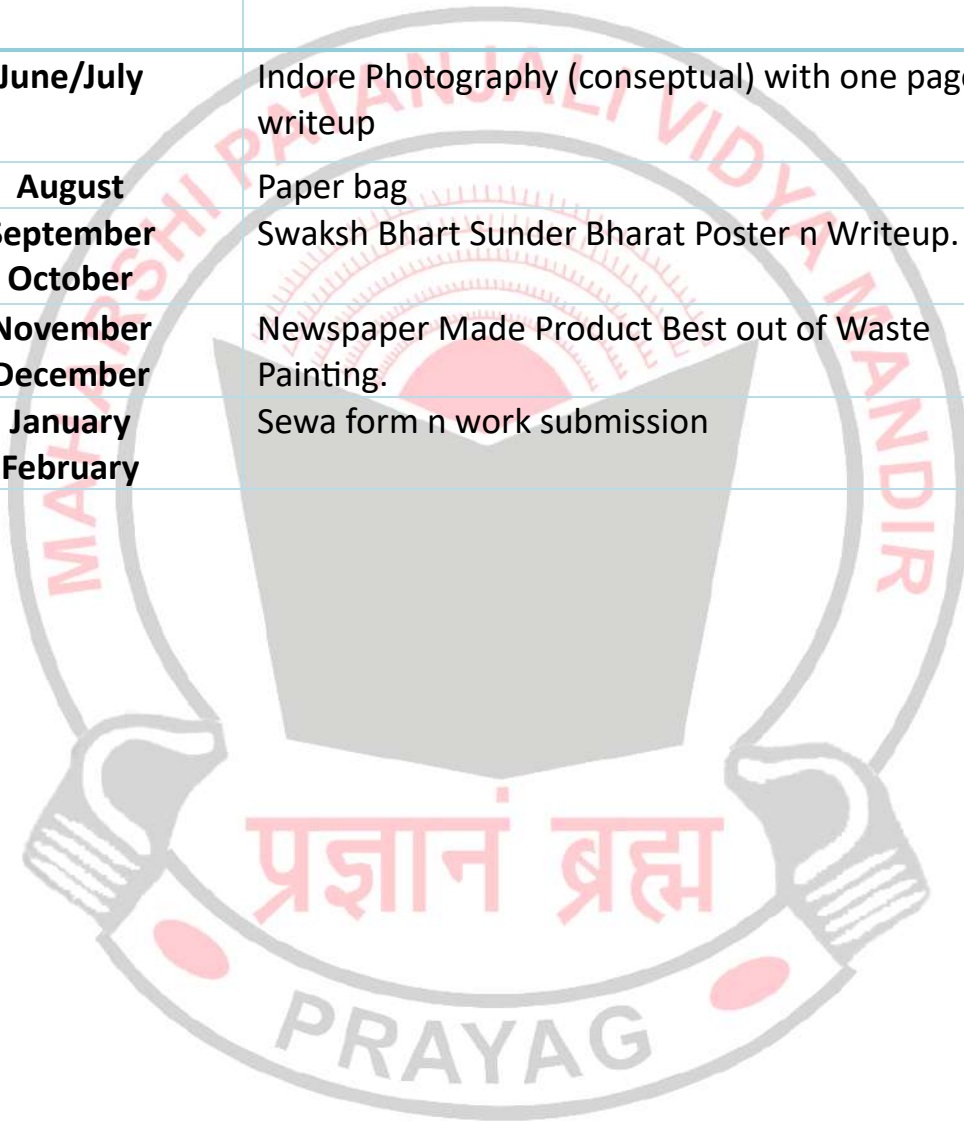


History

MONTH	CHAPTERS
April	Theme 1 Writing and City Life
May & June	Theme 2 An Empire across three continents
July & August	Theme 3 Nomadic Empires
September-October	Theme 4 The Three Orders
November	Theme 5 Changing Cultural Traditions
December	Theme 6 Displacing Indigenous People
PROJECT WORK AND ART INTEGRATION	Any topic related to the syllabus
January & February	Theme 7 Paths to Modernization
UNIT TEST-1	Theme 1
HALF YEARLY EXAMINATION	Themes 1, 2 & 3
UNIT TEST-2	Theme 4
FINAL TERM EXAMINATION	FULL SYLLABUS

Sewa

April May	“Empowering Through Skills: Helping Others Become Self-Reliant Or “Be the Change: My Role in Saving the Environment”
June/July	Indore Photography (conseptual) with one page writeup
August	Paper bag
September October	Swaksh Bhart Sunder Bharat Poster n Writeup.
November December	Newspaper Made Product Best out of Waste Painting.
January February	Sewa form n work submission



BUSINESS STUDIES

April-May- June

- 8) Nature and Purpose Of Business (Business trade and Commerce)
- 9) Forms of Business Organizations.(Sole-Proprietorship, Partnership, Joint Hindu Firm, Company & Cooperative Society)

July/ August/ September

- 11) Business services and Ethics
- 12) Social Responsibilities of Business.
- 13) Emerging Modes of Business.

October –November- December

- Private, Public and Global Enterprises
- Sources of Business Finance
- Small Business and Enterprise
- Internal Trade

January – February

5. International Trade

Project Work

Unit- Test-1- Assessment Syllabus – 1. Nature and Purpose of Business

2. Forms of Business Organizations (SOLE PROPRIETORSHIP, PARTNERSHIP & Joint Hindu Firm)

Half – Yearly Exams Term 1 Syllabus – Chapters 1-

Unit-Test –2. 1-Private, Public and Global enterprise

2. Sources of Business Finance

Annual Examinations – Full Term Syllabus (Term 1 and Term 2)

Unit Test- 1	Half-Yearly	Unit Test-2	Final Examination
Chapter 1 and Chapter2 till mentioned.	Chapter 1 to 5	Chapters 1&2 (Pvt,Public & Global and Sources of Business Finance	Full Syllabus (Term 1& 2)

Accountancy

April:

- 1.Introduction to Accounting
- 2.Basic Accounting Terms

May/June

- 3.Recording of transactions

July

- 1.GST
- 2.Ledger

August

- 3.Trial Balance
- 4..Subsidiary Books
- 5.Cash Book

September

6. Bank Reconciliation statement
7. Rectification of Error

October

- 8.Depreciation
- 9.Reserves & Provisions

November

- 10.Financial statement with Adjustments

December

- 11.Accounting from Incomplete information

January

- 12.Accounting Theories and Principles
- 12.Project work

Unit Test I - Unit 1, 3, 4

Half Yearly - First Term Syllabus

Unit Test II - 1. Financial Statement
2. Depreciation, Reserves & Provisions

Annual Exam - Complete Syllabus



Physics

Month	Topics to be covered
April	Dimensions and Dimensional analysis Scalar and Vector Algebra
May/ June	Motion in one Dimension
July	Kinematics (2D motion) Laws of motion
August	Laws of motion (continued) Work, Energy and Power
September	Motion of system of particles & Rigid Body
October	Gravitation Properties of Bulk Matter (Mechanical properties of solids and fluids).
November	Oscillations Waves
December	1.Waves(continued) 2.Thermal properties of Matter
January	Thermodynamics
February	Behavior of perfect gases and kinetic theory of gases
Unit test 1	Dimensions & Dimensional Analysis, Vector & Vector Algebra.
Unit test 2	Work Power, Energy and Motion of system of particles & Rigid Body
Half Yearly	Syllabus covered till unit test 1, Kinematics and Laws of Motion.

Experiments-**Section-A**

(1). Vernier Calliper (2). Screw gauge (3). Spherometer (4). Simple Pendulum

.

Section-B

Helical Spring (2). Sonometer – I (3). Sonometer – II (4). Young's modulus

Biology

Month	Topics to be covered
April- May	Chapter-8: Cell-The Unit of Life Chapter-10: Cell Cycle and Cell Division Chapter-1: The Living World
June/ July	Chapter-2: Biological Classification Chapter-3: Plant Kingdom Chapter-4: Animal Kingdom
August	Chapter-5:

	Morphology of Flowering Plants Chapter-6: Anatomy of Flowering Plants Chapter-7: Structural Organisation in Animals
September	Chapter-9: Biomolecules Chapter-11: Photosynthesis in Higher Plants
October	Chapter-12: Respiration in Plants Chapter-13: Plant Growth and Development
November	Chapter-14: Breathing and Exchange of Gases Chapter-15: Body Fluids and Circulation
December	Chapter-16: Excretory Products and their Elimination Chapter-17: Locomotion and Movement
January- February	Chapter-18: Neural Control and Coordination Chapter-19: Chemical Coordination and Integration, Revision

UT-1	HALF YEARLY EXAM	UT-2	ANNUAL EXAM
CHAPTER 1, 8 and 10		CHAPTER 9 and 11	All chapters.

ART INTEGRATION: CHART PAPER/ CLAY MODEL

TOPIC: Digestion and Absorption (Students can Refer to CBSE Reading Material)

SUB TOPICS: Alimentary canal and digestive glands, role of digestive enzymes and gastrointestinal hormones; Peristalsis, digestion, absorption and assimilation of proteins, carbohydrates and fats; calorific values of proteins, carbohydrates and fats; egestion; nutritional and digestive disorders - PEM, indigestion, constipation, vomiting, jaundice, diarrhea.

BIOLOGY PRACTICALS

PART A: MAJOR, MINOR AND SLIDE PREPARATION:

List of Experiments:

1. Study and describe locally available common flowering plants, including dissection and display of floral whorls, anther and ovary to show number of chambers (floral formulae and floral diagrams), type of root (tap and adventitious); type of stem (herbaceous and woody); leaf (arrangement, shape, venation, simple and compound).
2. Preparation and study of T.S. of dicot and monocot roots and stems (primary).
3. Study of osmosis by potato osmometer.
4. Study of distribution of stomata on the upper and lower surfaces of leaves and calculate stomatal index.
5. Test for the presence of sugar, starch, proteins and fats in suitable plant and animal materials.
6. Separation of plant pigments through paper chromatography.

PART B. Study and Observe the following (Spotting):

1. Parts of a compound microscope.
 2. Specimens/slides/models and identification with reasons -
 3. Bacteria, *Oscillatoria*, *Spirogyra*, *Rhizopus*, mushroom, yeast, liverwort, moss, fern, pine, one monocotyledonous plant, one dicotyledonous plant and one lichen.
 4. Virtual specimens/slides/models and identifying features of - *Amoeba*, *Hydra*, liverfluke, *Ascaris*, leech, earthworm, prawn, silkworm, honey bee, snail, starfish, shark, Rohu, frog, lizard, pigeon and rabbit.
 5. Different types of inflorescence (cymose and racemose).
- Human skeleton and different types of joints with the help of virtual images/models only.