











MAHARSHI PATANJALI VIDYA MANDIR, PRAYAGRAJ
SYLLABUS BREAKUP: 2025 - 2026
SUBJECT: INFORMATICS PRACTICES (065)
CLASS: XI

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

MAHARSHI PATANJALI VIDYA MANDIR, PRAYAGRAJ
SYLLABUS BREAKUP: 2025 - 2026
SUBJECT: INFORMATICS PRACTICES (065) PRACTICAL
CLASS - XI

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	
APIRL-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. 8) To find the largest and smallest numbers in a list. 9) To find the third largest/smallest number in a list.	
SEPTEMBER		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. 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.	
OCTOBER			
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. 20) To insert the details of at least 10 students in the above table. 21) To display the entire content of table.

DECEMBER		22) To display Rno, Name and Marks of those students who are scoring marks more than 50.
JANUARY		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.	

Maharshi Patanjali Vidya Mandir, Prayagraj

Syllabus Breakup : 2025-26

Subject : Chemistry

Class - XI

April	<i>Unit 1 : Some Basic Concepts of Chemistry</i>
May	<i>Unit 2 : Structure of Atom</i>
July	<i>Unit 2 : Structure of Atom continued</i> <i>Unit 3 : Classification of Elements and Periodic classification</i>
August	<i>Unit 4 : Chemical bonding and Molecular structure</i>
September	<i>Unit 5: Thermodynamics</i>
October	<i>Unit 5 : Thermodynamics (contd.)</i> <i>Unit : 6 Equilibrium</i>
November	<i>Unit 6:s Equilibrium (contd.)</i> <i>Unit 7 : Redox Reactions</i>

December	<i>Unit 8: Some basic concepts of organic chemistry</i>
January	<i>Unit 8: Some basic concepts of Organic chemistry (contd)</i> <i>Unit 9: Hydrocarbons</i>
February	<i>Unit 9: Hydrocarbons (contd)</i>
1st Unit test	<i>Unit 1 : Some Basic concepts of chemistry</i>
Half- Yearly Examination	<i>Unit 1, Unit 2, Unit 3, Unit 4</i>
2nd Unit test	<i>Unit 6 : Equilibrium, Unit 7: Redox Reactions</i>
Annual - Examination	<i>Complete Syllabus</i>

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-} , $\text{C}_2\text{O}_4^{2-}$

Volumetric Analysis Core

Experiments

Annual Exam – Complete Syllabus

MAHARSHI PATANJALI VIDYA MANDIR

SYLLABUS BREAKUP : 2025-26

SUBJECT : BUSINESS STUDIES

CLASS XI

Term I

April-May-July-August-September

1. Nature and Purpose Of Business (Business trade and Commerce)

2. Forms of Business Organizations.(Sole-Proprietorship, Partnership, Joint Hindu Firm, Company & Cooperative Society)
3. Business services and Ethics
4. Social Responsibilities of Business.

Term II

October –November- December

1. Private, Public and Global Enterprises
2. Sources of Finance
3. Small Business

January – February

4.Internal Trade

5. International Trade

Project Work

1st Unit Test Syllabus – 1. Nature and Purpose of Business

2. Forms of Business Organizations (SOLE PROPRIETORSHIP, PARTNERSHIP, JHF)

Half – Yearly Exams Term 1 Syllabus – Chapters 1-4

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

2. Sources of Finance

Annual Examinations – Full Syllabus Term 1 and Term 2

Maharshi Patanjali Vidya Mandir, Prayagraj
Syllabus Breakup : 2025-26
Standard Mathematics
Class- XI

April	1.Set Theory 2.Relations 3. Functions
May	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

I st Unit Test	Chapters covered from April to May
Half Yearly Examination	Chapters covered from April to August
II nd Unit Test	Binomial Theorem , Cartesian System of Rectangular
	Coordinates , Straight Lines , Circle

Annual Examination	Whole Syllabus
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MAHARSHI PATANJALI VIDYA MANDIR, PRAYAGRAJ

SYLLABUS BREAKUP: 2025-2026

SUBJECT: COMPUTER SCIENCE

CLASS - XI

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	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	<p>FLOW OF CONTROL: INTRODUCTION, USE OF INDENTATION, SEQUENTIAL FLOW, CONDITIONAL AND ITERATIVE FLOW CONTROL</p> <p>CONDITIONAL STATEMENTS: IF, IF-ELSE, IF-ELIF-ELSE, FLOWCHARTS, SIMPLE PROGRAMS: E.G.: ABSOLUTE VALUE, SORT 3 NUMBERS AND DIVISIBILITY OF A NUMBER</p> <p>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</p>
SEPTEMBER	INTRODUCTION TO PROBLEM SOLVING	<p>INTRODUCTION TO PROBLEM SOLVING: STEPS FOR PROBLEM SOLVING (ANALYSING THE PROBLEM, DEVELOPING AN ALGORITHM, CODING, TESTING AND DEBUGGING).</p> <p>REPRESENTATION OF ALGORITHMS USING FLOW CHART AND PSEUDO CODE, DECOMPOSITION</p>
OCTOBER	STRING	<p>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()</p>
	LIST	<p>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</p>
NOVEMBER	TUPLES	<p>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</p>

	DICTIONARY	DICTIONARY: INTRODUCTION, ACCESSING ITEMS IN A DICTIONARY USING KEYS, MUTABILITY OF DICTIONARY (ADDING A NEW ITEM, MODIFYING AN EXISTING ITEM), TRAVERSING A DICTIONARY,
DECEMBER	DICTIONARY : CONTINUED	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
	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	<p>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.</p> <p>MALWARE: VIRUSES, TROJANS, ADWARE</p> <p>INFORMATION TECHNOLOGY ACT (IT ACT)</p>
	SOCIETY, LAW AND ETHICS	<p>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.</p> <p>TECHNOLOGY AND SOCIETY: GENDER AND DISABILITY ISSUES WHILE TEACHING AND USING COMPUTERS</p>
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, DICTIONARY	
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	

MAHARSHI PATANJALI VIDYA MANDIR, PRAYAGRAJ

SYLLABUS BREAKUP: 2025 - 2026

SUBJECT: COMPUTER SCIENCE (PRACTICAL)

CLASS - XI

MONTH	CHAPTER
APRIL - SEPTEMBER	<ul style="list-style-type: none"> • GETTING STARTED WITH PYTHON • PYTHON FUNDAMENTALS • DATA HANDLING • FLOW OF CONTROL
OCTOBER- FEBRUARY	<ul style="list-style-type: none"> • STRING • LIST • TUPLES • DICTIONARY • COMPUTER SYSTEMS AND ORGANISATION

MAHARSHI PATANJALI VIDYA MANDIR, PRAYAGRAJ

SYLLABUS BREAKUP: 2025 - 2026

SUBJECT: COMPUTER SCIENCE (PRACTICAL)

CLASS - XI

MONTH	Topics	PRACTICAL
JULY	Programming in Python: I	<ol style="list-style-type: none"> 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	

महर्षि पतंजलि विद्या मंदिर प्रयागराज

सत्र 2025 -26

पाठ्यक्रम विभाजन

विषय -हिंदी

कक्षा - 11

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, मीराबाई के पद (पहला पद)

व्याकरण- जनसंचार माध्यम

मई-

गद्य-मियां नसीरुद्दीन,

पद्य-मीराबाई के पद (पहला पद)

वितान-गायिकाओं में बेजोड़ लता मंगेशकर

व्याकरण -जनसंचार माध्यम एवं पत्रकारिता के विभिन्न आयाम

जुलाई -

गद्य- अप्पू के साथ ढाई साल

पद्य-घर की याद

व्याकरण-डायरी लेखन एवं पटकथा 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 -दुष्पंत कुमार की गजल

व्याकरण -डायरी लेखन ,पटकथा लेखन, दृश्य लेखन, शब्दकोश

अक्टूबर-

गद्य- रजनी

पद्य -अक्क महादेवी की दो रचनाएं

वितान -आलो आंधारि बेबी हालदार

व्याकरण-प्रतिवेदन, प्रेस विज्ञप्ति

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

महर्षि पतंजलि विद्या मंदिर

सत्र 2025 –26

पाठ्यक्रम-विभाजन

विषय- हिंदी

कक्षा 11

प्रथम यूनिट परीक्षा

गद्य-नमक का दरोगा

पद्य- कबीर दास का प्रथम पद

व्याकरण- जनसंचार माध्यम

अर्धवार्षिक परीक्षा

गद्य-नमक का दरोगा, मियां नसीरुद्दीन, अप्पू के साथ ढाई साल,विदाई संभाषण, गलता लोहा

पद्य - कबीर दास के पद, मीराबाई के पद, घर की याद, चंपा काले काले अक्षर नहीं चिन्हती

वितान-गायिकाओं में बेजोड़ लता मंगेशकर, राजस्थान की रजत बूंदें

व्याकरण -रचनात्मक लेखन ,पत्र लेखन , जनसंचार माध्यम एवं पत्रकारिता, अपठित गद्यांश एवं पद्यांश, शब्दकोश, स्ववृत्त लेखन

द्वितीय इकाई परीक्षा

गद्य- रजनी, जामुन का पेड़

पद्य -गजल, अक्कमहादेवी की दो कविताएं

व्याकरण- डायरी लेखन ,पटकथा लेखन

वार्षिक परीक्षा

वर्ष भर पढ़ाया गया संपूर्ण पाठ्यक्रम

क्रियाकलाप

त्वरित भाषण, कविता वाचन एवं वाद-विवाद

परियोजना कार्य

लेखक ,कवि ,साहित्य एवं विभिन्न सामाजिक विषयों जैसे-

MONTH	BOOK	CHAPTERS
April/May	Microeconomics	1) Central Problems Of an Economy 2) Consumer's Equilibrium 3) Theory Of Demand 4) Elasticity Of Demand
July		
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
July-August	Micro Economics	5) Supply and Elasticity of Supply.
UNIT TEST-1 JULY	MICROECONOMICS	CHAPTERS 1-2
	STATISTICS FOR ECONOMICS	CHAPTERS1-2
August-September	Microeconomics	6) Concept Of Cost 7) Concept Of Revenue
	Statistics For Economics	4) Organisation Of Data 5) Presentation Of Data 6) Mean, Median and Mode
HALF YEARLY EXAMINATION	MICROECONOMICS	CHAPTERS 1-6
	STATISTICS FOR ECONOMICS	CHAPTERS 1-6
October	Statistics For Economics	7) Diagrammatic Presentation of Data. 8)

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

Maharshi Patanjali Vidya Mandir, Prayagraj
Syllabus Breakup : 2025 - 2026
Subject : English
Class - XI

Month	Hornbill	Snapshots	Advanced writing skills & Grammar
April/May	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		Classified Advertisement (Situation Wanted ,Situation Vacant , Property for Sale, Property for Purchase)
Aug/Sep	-The Voice of the Rain	2. The Address	Speech Transformation of Sentences
UT-1	The Portrait of a Lady, A Photograph	The Summer of the Beautiful White Horse	Tenses
Half-Yearly	ASL-Speaking /Listening	All lessons done from April to September	

October	3.Discovering Tut	5. Mother's Day	Re ordering of Sentences
November	7.The Adventure	7.Birth	Debate
December	Childhood		Poster Making
January	8. Silk Road	8. The Tale of Melon City	Clauses
February	- Father to Son		Note Making
UT-2	The Adventure, Childhood	Mother's Day, Birth	Debate, Transformation of sentences
Annual Exam.	ASL-Listening /Speaking	Entire Syllabus	

SYLLABUS BREAK UP

CLASS XI

SESSION 2025-26

LEGAL STUDIES

MONTH	BOOK	CHAPTERS
April/May	Legal Studies of Class 11(Recognized by CBSE) Dr. S.R. Myneni (Political Science)	UNIT 1 <ul style="list-style-type: none"> - Concept of State - Forms and Organs of Government - Separation of Power UNIT 2 <ul style="list-style-type: none"> - Salient Features of Indian Constitution
July-August	Legal Studies of Class 11(Recognized by CBSE) Dr. S.R. Myneni (Political Science)	UNIT 2 <ul style="list-style-type: none"> - Administrative Law - Landmark cases on Administrative Law - Answer Writing practice on crucial aspects of Administrative Law. UNIT 3 <ul style="list-style-type: none"> - Jurisprudence, Nature and Meaning of Law - Classification of Laws
UNIT TEST-1-JULY	Legal Studies of Class 11(Recognized by CBSE) Dr. S.R. Myneni (Political Science)	Unit 1 consist of Chapter 1 and Chapter 2
August-September	Legal Studies of Class 11(Recognized by CBSE) Dr. S.R. Myneni (Political Science)	Unit 3 <ul style="list-style-type: none"> - Sources of Laws - Law Reforms - Cyber Laws, Safety and Security in India

HALF-YEARLY EXAMINATION	Legal Studies of Class 11(Recognized by CBSE) Dr. S.R. Myneni (Political Science)	Unit 1, Unit 2 and Unit 3
October	Legal Studies of Class 11(Recognized by CBSE) Dr. S.R. Myneni (Political Science)	Unit 4 - Judiciary: - Constitutional, Civil and Criminal Courts and Processes Landmark cases of the Judiciary which has changed the entire course of the country.
November	Legal Studies of Class 11(Recognized by CBSE) Dr. S.R. Myneni (Political Science)	UNIT 5 - Institutional Framework- Marriage and Divorce - Child Rights - Adoption
December	Legal Studies of Class 11(Recognized by CBSE) Dr. S.R. Myneni (Political Science)	UNIT 5 - Property, Succession and Inheritance - Prevention of Violence against Women
UNIT TEST-2		Unit 4 and Unit 5
January and February	Revision and Project Work	
FINAL TERM EXAMINATION		Full Syllabus covered in class

ACCOUNTANCY

CLASS-11

April&May

- 1.Introduction to Accounting
- 2.Basic Accounting Terms
- 3.Recording of transactions

July& August

- 1.GST
- 2.Ledger
- 3.Trial Balance
- 4..Subsidiary Books

September & October

- 1.Cash Book
2. Bank Reconciliation statement 3Rectification of Error

November & December

- 1.Depreciation
- 2.Reserves & Provisions

3. Financial statement

January & February

1. Financial statement-Cont.

2. Accounting from Incomplete information

History

MONTH

April / May

July / August

CHAPTERS

2 Writing and City Life

3 An Empire across three continents

UNIT TEST-1 Writing and city life

September

5. Nomadic Empires

HALF YEARLY EXAMINATION

CHAPTERS 2, 3 and 5

October

November

The Three Orders

Changing Cultural Traditions

December

UNIT TEST-2 three orders

January & February

EXAMINATION

10. Displacing Indigenous People

CHAPTERS 6

11. Paths To Modernization

FULL SYLLABUS

Maharshi Patanjali Vidya Mandir, Prayagraj

Syllabus: 2025-26

Subject: Biology

Class - XI

Month	Topics to be covered
April- May	Chapter-1: The Living World Chapter-2: Biological Classification Chapter-3: Plant Kingdom
July	Chapter-4: Animal Kingdom Chapter-5: Morphology of Flowering Plants
August	Chapter-6: Anatomy of Flowering Plants Chapter-7: Structural Organisation in Animals Chapter-8: Cell-The Unit of Life
September	Chapter-9: Biomolecules Chapter-10: Cell Cycle and Cell Division 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

Unit Test - I	CHAPTER 1 and CHAPTER 2
Half Yearly	CHAPTER 1,2,3,4,5,6,7,8.
Unit test - II	CHAPTER 9,10
Annual Exam	All chapters.

PRACTICALS:

A: 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 to 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.

B. Study and Observe the following (Spotting):

1. Parts of a compound microscope.
2. Specimens/slides/models and identification with reasons - Bacteria, *Oscillatoria*, *Spirogyra*, *Rhizopus*, mushroom, yeast, liverwort, moss, fern, pine, one monocotyledonous plant, one dicotyledonous plant and one lichen.
3. 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.
4. Different types of inflorescence (cymose and racemose).

5. Human skeleton and different types of joints with the help of virtual images/models only.

ART INTEGRATED PROJECT:

Clay model, thermocol base, chart papers, file making on the topic 'DIGESTION and ABSORPTION'.

Maharshi Patanjali Vidya Mandir Prayagraj

New Syllabus Breakup : 2025– 2026

Subject : Physical Education

Class : XI

April/May : 2025

Unit I : Changing trends and career in physical education.

Unit II : Olympic value education

July : 2025

Unit III : YOGA

August : 2025

Unit IV : Physical Education & Sports for CWSN(Children with special needs -Divyang)

September : 2025

Unit V : Physical fitness , Health and wellness

Unit VI: Test, Measurement & Evaluation

October : 2025

Unit VII : Fundamental of Anatomy, Physiology in Sports

November : 2025

Unit VIII : Fundamental of Kinesiology and Biomechanics in Sports

December : 2025

Unit IX : Psychology & Sports

January : 2026

Unit X: Training and Doping in Sports

February : 2026

All units revision classes

Practical –

All the practical topics given in the theory book.

I st Unit Test: Unit I and Unit II

Half Yearly – Unit II to VI and Unit I of Ist Unit also.

Unit Test II : Unit VII and Unit VIII

Syllabus for Annual Examination - Full Syllabus of all Unit (Unit I to Unit X)

Maharshi Patanjali Vidya Mandir

Syllabus 2025-26

Subject: Biotechnology

Class - XI

Month	Topics to be covered
April-May	Unit IV (The basic unit of life)
July	Unit-I (Biotechnology: An overview)
August	Unit II (Biomolecules: Building blocks)
	Unit II (Macromolecules: Structure and function)

September	Unit III (Concepts 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	Concepts of genetics Structure and function of genes revision

Unit Test -I:

* Prokaryote and Eukaryote, plant cell and animal cell, cell organelles.

Half Yearly :

* The basic unit of life.

* Biotechnology: An overview

* Biomolecules: Building blocks

* Macromolecules: Structure and function

Unit test - II:

* Concepts of genetic (topics covered in the class)

Annual Exam

All chapters.

Practicals:

1. Biotechnology equipments
2. Sterilization
3. Mitosis
4. Mitotic index
5. Media preparation
6. Dilution and spreading
7. Gram staining
8. Karyotype
9. Casein protein

Maharshi Patanjali Vidya Mandir, Prayagraj

Syllabus Breakup : 2025 – 2026

Subject : Physics

Class - XI

Month	Topics to be covered
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April	1. Dimensions and Dimensional analysis 2. Vector and Vector Algebra
May	1. Kinematics
July	1. Kinematics (continued) 2. Laws of motion
August	1. Laws of motion (continued) 2. Work, Energy and Power 3. Motion of system of particles & Rigid Body
September	1. Motion of system of particles & Rigid Body (continued) 2. Gravitation 3. Properties of Bulk Matter (Mechanical properties of solids and fluids).
October	1. Properties of Bulk Matter (Mechanical properties of solids and fluids). 2. Oscillations
November	1. Oscillations (continued) 2. Waves
December	1. Waves (continued) 2. Thermal properties of Matter 3. Thermodynamics
January/Feb	1. Thermodynamics (continued) 2. 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	Topics covered for I Unit Test, Kinematics and Laws of Motion.
Annual Examination	Entire CBSE curriculum for class XI (2025-26)

Experiments –

Section-A

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

Section-B.

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

Subject : Psychology

April	-	Chapter 1	-	What is Psychology
May		Chapter 2	-	Methods of Enquiry in Psychology
July	-	Chapter 3	-	Human Development
August.	-	Practical : Experiment – 1		
September	-	Chapter 4	-	Sensory, Attentional and Perceptual Processes
October	-	Chapter 5	-	Learning
November	-	Chapter 6	-	Human Memory
December	-	Chapter 7	-	Experiment – 2
January	-	Chapter 8	-	Thinking
February	-	Chapter 9	-	Motivation & Emotion
Unit Test - I	-	Chapter 1		
Half Yearly	-	Chapter 2,3 & 4		
Unit – II	-	Chapter 5, 6		
Annual Exam	-	Chapter 1 to 8		

Maharshi Patanjali Vidya Mandir, Prayagraj

Syllabus Breakup : 2025-26

Applied Mathematics

April	Set Theory , Relations & Functions ,Graphical representation of functions.
May	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

