

DAV PUBLIC SCHOOL, GANDHI NAGAR, RANCHI
SYLLABUS 2024-25
ENGLISH (STD XI)

MONTH	HORNBILL	SNAPSHOTS
JUNE	The Portrait of a Lady A Photograph	Debate, Speech, Note Making
JULY	We are not afraid to die Laburnum Top	Summer of the Beautiful white Horse
AUGUST	Discovering tut, Voice of the Rain	The Address, advertisement
Half Yearly Exam	Half Yearly Exam	Half Yearly Exam
SEPTEMBER	The Adventure	Mother's day
OCTOBER	Silk Road, Childhood	Birth, Poster
NOVEMBER	Father to Son	Tale of Melon City
DECEMBER	Tense, Narration, Passive Voice	Comprehension

DAV PUBLIC SCHOOL, GANDHI NAGAR, RANCHI

SYLLABUS FOR CLASS 11 SCIENCE

MATHEMATICS (041)

Session: 2024-25

CLASS 11 MATHEMATICS

MONTH	CHAPTER/UNIT	ACTIVITY
JUNE	SETS , RELATIONS	
JULY	FUNCTIONS TRIGONOMETRIC FUNCTIONS COMPLEX NUMBER AND QUADRATIC EQUATIONS	ACTIVITY 1 VENN DIAGRAM FOR THREE SETS ACTIVITY 2 GRAPH OF DIFFERENT FUNCTIONS
AUGUST	PERMUTATIONS AND COMBINATIONS , BINOMIAL THEOREM, SEQUENCE AND SERIES	ACTIVITY 3 MIND MAP ON COMPLEX NUMBER ACTIVITY 4 PASCAL'S TRIANGLE ACTIVITY 5 SUM OF FIRST n NATURAL NUMBERS
SEPTEMBER	REVISION AND FIRST TERM EXAMINATION (SYLLABUS COMPLETED TILL AUGUST)	
OCTOBER	STRAIGHT LINE CONIC SECTIONS PARABOLA, ELLIPSE	ACTIVITY 6 DIFFERENT EQUATIONS OF STRAIGHT LINES (USE MIND MAP) ACTIVITY 7 GEOMETRICAL MEANING OF CONIC SECTIONS
NOVEMBER	CONIC SECTION ELLIPSE,HYPERBOLA INTRODUCTION OF THREE DIMENSIONAL GEOMETRY	ACTIVITY 8 GRAPHICAL REPRESENTATION OF OCTANTS IN THREE DIMENSIONAL GEOMETRY
DECEMBER	LIMITS AND DERIVATIVES	ACTIVITY 9 GEOMETRICAL CONCEPTS OF DERIVATIVES
JANUARY	STATISTICS , PROBABILITY	ACTIVITY 10 SAMPLE SPACE FOR DIFFERENT EXPERIMENT IN PROBABILITY
FEBRUARY	ANNUAL EXAMINATION	

DAV PUBLIC SCHOOL, GANDHI NAGAR, RANCHI
SYLLABUS FOR CLASS 11 COMMERCE
APPLIED MATHEMATICS (0241) Session: 2024-25

MONTH	CHAPTER/UNIT	ACTIVITY
JUNE	NUMBERS , INDICES AND LOGARITHMS QUANTITATIVE APTITUDE, MENSURATION	
JULY	SETS AND RELATIONS , SEQUENCE AND SERIES	ACTIVITY 1 VENN DIAGRAM FOR THREE SETS ACTIVITY 2 SUM OF FIRST n NATURAL NUMBERS
AUGUST	PERMUTATIONS AND COMBINATIONS LOGICAL REASONING	ACTIVITY 3 PASCAL TRIANGLE ACTIVITY 4 BLOOD RELATION
SEPTEMBER	REVISION AND FIRST TERM EXAMINATION (SYLLABUS COMPLETED TILL AUGUST)	
OCTOBER	FUNCTIONS, LIMITS AND CONTINUITY DIFFERENTIATION	ACTIVITY 5 MIND MAP FOR TYPES OF FUNCTIONS ACTIVITY 6 GRAPH OF DIFFERENT FUNCTIONS
NOVEMBER	PROBABILITY, DESCRIPTIVE STATISTICS	ACTIVITY 7 GEOMETRICAL MEANNING OF DERIVATIVES ACTIVITY 8 SAMPLE SPACE FOR DIFFERENT EXPERIMENT IN PROBABILITY
DECEMBER	COMPOUND INTEREST AND ANNUITY TAXATION, UTILITY BILLS	ACTIVITY 9 TO CALCULATE AN ELECTRICITY BILL
JANUARY	STRAIGHT LINE , CIRCLE AND PARABOLA	ACTIVITY 10 FAMILY OF LINES /GEOMETRIC CONCEPT OF CIRCLE OR PARABOLA
FEBRUARY	REVISION AND ANNUAL EXAMINATION	

DAV PUBLIC SCHOOL, GANDHI NAGAR, RANCHI

CLASS - XI [SESSION 2024-2025]

SCHEDULE OF SYLLABUS

SUBJECT - PHYSICS

MONTHS	CHAPTER/UNIT		SPECIFIC EXAM/TEST
	UNIT	CHAPTER	
Jun-24	MATHEMATICAL TOOLS AND UNIT	UNIT AND MEASUREMENT	
Jul-24	UNIT AND MEASUREMENT	DIMENSIONAL ANALYSIS	CLASS TEST
	KINEMATICS	MOTION IN STRAIGHT LINE	
	KINEMATICS	MOTION IN A PLANE	
Aug-24	LAWS OF MOTION	LAWS OF MOTION	MCQ TEST
		FRICITION	
SEPTEMBER-2024	TERM-1		
Sep-24	WORK,ENERGY&POWER	WORK,ENERGY&POWER	CLASS TEST
Oct-24	MOTION OF SYSTEMOF PARTICELS AND RIGID BODY	SYSTEM OF PARTICLES AND ROTATIONAL MOTION	MCQ TEST-MON TEST
Nov-24	GRAVITATION	GRAVITATION	MON TEST-MCQ TEST
	PROPERTIES OF MATTER	MECHANICAL PROPERTIES OF SOLIDS	
Dec-24	PROPERTIES OF MATTER	MECHANICAL PROPERTIES OF FLUIDS	MCQ TEST - MON TEST
		THERMAL PROPERTIES OF MATTER	
	THERMODYNAMICS	THERMODYNAMICS	
Jan-25	KINITIC THEORY OF GASES	KINETIC THEORY OF GASES	MCQ TEST-MON TEST
	OSCILLATION AND WAVES	OSCILLATION	
		WAVES	
FEB - 25		REVISION & MOCK TEST	

ANNUAL EXAM: FEB-25

DAV PUBLIC SCHOOL, GANDHI NAGAR, RANCHI

SYLLABUS – 2024-25

SUBJECT – CHEMISTRY STD- XI

1	SOME BASIC CONCEPT OF CHEMISTRY	JUNE
2	ATOMIC STRUCTURE	JULY
3	CLASSIFICATION OF ELEMENTS AND PERIODICITY IN PROPERTIES	JULY
4	CHEMICAL BONDING	AUGUST
5.	THERMODYNAMICS	AUGUST
6.	EQUILIBRIUM	SEPTEMBER
7	REDOX REACTION	SEPTEMBER
8	SOME BASIC CONCEPT IN ORGANIC CHEMISTRY	OCTOBER NOVEMBER
9	HYDROCARBON	DECEMBER JAUNURY

DAV PUBLIC SCHOOL, GANDHI NAGAR, RANCHI

CLASS –XI [SESSION – 2024-25]

SCHEDULE OF SYLLABUS

SUBJECT: BIOLOGY (044)

MONTHS	CHAPTER / UNIT			SPECIFIC EXAMS/TEST
APRIL, 2024				
MAY,2024				
JUNE,2024		Unit- I- Diversity of living organisms		
	Chapter-1. The living world	Chapter 2. Biological classification		
JULY,2024		Unit- I- Diversity of living organisms		
	Chapter 3. Plant kingdom	Chapter 4. Animal kingdom		
AUGUST,2024		Unit- II /III- Structural organization plants and animals/ Cell structure		
	Chapter 5. Morphology of flowering plants	Chapter 6. Anatomy of flowering plants	Chapter 7. Structural organization in animals- Only all systems of Frog	
		Chapter 8. Cell the unit of life		
SEPTEMBER,2024		Unit- III- Cell structure and functions		
	Chapter 9. Biomolecules	Chapter 10. Cell cycle and cell division		
TERM - I				
OCTOBER,2024		Unit- IV-Plant physiology		
	Chapter 13. Photosynthesis in higher plants	Chapter 14. Respiration in plants	Chapter 15. Growth and development in plants	
NOVEMBER,2024		Unit- V- Human physiology		
	Chapter -17. Breathing and exchange of gases	Chapter -18. Body fluids and circulation		
DECEMBER,2024		Unit- V- Human physiology		
	Chapter- 19. Excretory products and their elimination	Chapter-20. Locomotion and movement	Chapter-21. Neural control and co-ordination	
JANUARY,2025		Unit- V- Human physiology		
		Chapter-22. Chemical co-ordination and integration		

MOCK TEST JANUARY, 2025

DAV PUBLIC SCHOOL, GANDHI NAGAR, RANCHI

MONTH WISE SYLLABUS DISTRIBUTION 2024-25

CLASS – XI

SUB: COMPUTER SCIENCE WITH PYTHON (083)

MONTH	PORTION
JUNE	Computer Systems and Organisation <ul style="list-style-type: none">● 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 S/W: system S/W (operating systems, system utilities, device drivers), programming tools and language translators (assembler, compiler & interpreter), application S/W● Operating system (OS): functions of operating system, OS user interface
JULY	Computer Systems and Organisation continued <ul style="list-style-type: none">● 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) Computational Thinking and Programming <ul style="list-style-type: none">● Introduction to problem solving: Steps for problem solving (analyzing the problem, developing an algorithm, coding, testing and debugging). representation of algorithms using flow chart and pseudo code, 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
AUGUST	Computational Thinking and Programming <ul style="list-style-type: none">● 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), 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 continue statements, nested loops, suggested programs: generating pattern, summation of series, finding the factorial of a positive number etc.
SEPTEMBER	Computational Thinking and Programming Contd. <ul style="list-style-type: none">● 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()

OCTOBER	<p>Computational Thinking and Programming Contd.</p> <ul style="list-style-type: none"> ● 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	<p>Computational Thinking and Programming Contd.</p>
	<ul style="list-style-type: none"> ● 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: introduction, accessing items in a dictionary, mutability of dictionary (adding new item, modifying existing item), traversing dictionary, built-in functions: len(), dict(), keys(), values(), items(), get(), update(), del, clear(), fromkeys(), copy(), pop(), popitem(), setdefault(), max(), min(), count(), sorted(), copy(); suggested programs : count the number of times a character appears in a given string using a dictionary, create dictionary with names and their salary and access them
DECEMBER	<p>Computational Thinking and Programming Contd.</p> <ul style="list-style-type: none"> ● 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) Society, <p>Law and Ethics</p> <ul style="list-style-type: none"> ● Digital Footprints ● Digital society and Netizen: net etiquettes, communication & social media etiquettes ● 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) ● Cyber-crime: definition, hacking, eavesdropping, phishing and fraud emails, ransomware, preventing cyber crime
JANUARY	<p>Society, Law and Ethics Contd.</p> <ul style="list-style-type: none"> ● Cyber safety: safely browsing the web, identity protection, confidentiality, cyber trolls and bullying. ● Safely accessing web sites: malware, viruses, trojans, adware ● E-waste management: proper disposal of used electronic gadgets ● Indian Information Technology Act (IT Act) ● Technology & Society: Gender & disability issues while teaching and using computers

DAV PUBLIC SCHOOL, GANDHI NAGAR, RANCHI
CLASS XI (SESSION 2024-25)

SUB-ACCOUNTANCY SCHEDULE OF SYLLABUS

MONTH	CHAPTER /TOPIC	SPECIFIC EXAM/TEST
JUNE	INTRODUCTION TO ACCOUNTING	MCQ,HOTS,ASSERTION REASONING ,CSBQ
JULY	THEORY BASE OF ACCOUNTING RECORDING OF TRANSACTIONS: RULES OF DR.& CR. ACCOUNTING EQUATION JOURNAL (GST) LEDGER TRIAL BALANCE	MCQ,OBJECTIVE,APPLICATION BASED QUESTION, ASSERTION REASONING
AUGUST	CASH BOOK & OTHER S.BOOK ,BRS DEPRECIATION ,PROV.& RESERVE	MCQ,HOTS,ASSERTION REASONING ,CSBQ
SEPTEMBER	REVISION & TERM-I	
OCTOBER	RECTIFICATION OF ERRORS	MCQ,OBJECTIVE,APPLICATION BASED QUESTION, ASSERTION REASONING
NOVEMBER	FINANCIAL STATEMENT WITHOUT ADJUSTMENT	MCQ,OBJECTIVE,APPLICATION BASED QUESTION, ASSERTION REASONING
DECEMBER	FINANCIAL STATEMENT OF WITH ADJUSTMENT	MCQ,OBJECTIVE,APPLICATION BASED QUESTION, ASSERTION REASONING
JANUARY	SINGLE ENTRY SYSTEM & PRACTICE TEST	PRACTICE OF PREVIOUS YEAR QUESTION
FEBRUARY	FINAL EXAM	

DAV PUBLIC SCHOOL, GANDHI NAGAR, RANCHI
CLASS XI (SESSION 2024-25)

SUB-BUSINESS STUDIES SCHEDULE OF SYLLABUS

MONTH	CHAPTER /TOPIC	SPECIFIC EXAM/TEST
JUNE	BUSINESS TRADE AND COMMERCE	MCQ,HOTS,ASSERTION REASONING ,CSBQ
JULY	FORMS OF BUSINESS ORGANISATION	MCQ,OBJECTIVE,APPLICATION BASED QUESTION, ASSERTION REASONING
	PUBLIC PRIVATE AND GLOBAL ENTERPRISES	MCQ,HOTS,ASSERTION REASONING ,CSBQ
AUGUST	BUSINESS SERVICES	MCQ,OBJECTIVE,APPLICATION BASED QUESTION, ASSERTION REASONING
	EMERGING MODE OF BUSINESS	MCQ,OBJECTIVE,APPLICATION BASED QUESTION, ASSERTION REASONING
	SOCIAL RESPONSIBILITY AND BUSINESS ETHICS	MCQ,OBJECTIVE,APPLICATION BASED QUESTION, ASSERTION REASONING
SEPTEMBER	REVISION & TERM-I	
OCTOBER	SOURCES OF FUNDS	MCQ,HOTS,ASSERTION REASONING ,CSBQ
NOVEMBER	SMALL BUSINESS AND ENTREPRENEURSHIP DEVELOPMENT	MCQ,HOTS,ASSERTION REASONING ,CSBQ
DECEMBER	INTERNAL TRADE EXTERNAL TRADE	MCQ,OBJECTIVE,APPLICATION BASED QUESTION, ASSERTION REASONING
JANUARY	REVISION AND PRACTICE TEST	PREVIOUS YEAR QUESTION
FEBRUARY	FINAL EXAM	

DAV PUBLIC SCHOOL, GANDHI NAGAR, RANCHI

CLASS – XI

ECONOMICS (030)

SYLLABUS AND BLUEPRINT

FOR

HALF YEARLY EXAMINATION – 2024-25

STATISTICS FOR ECONOMICS (SECTION-A)						
UNIT/CHAPTER	WEIGHTAGE	1M/Qs	3Ms/Qs	4Ms/Qs	6Ms/Qs	TOTAL Ms (Qs)
INTRODUCTION	05	02	01	-	-	05(03)
COLLECTION & ORGANISATION	10	-	-	01	01	10(02)
PRESENTATION OF DATA	10	03	01	01	-	10(05)
MEASURES OF CENTRAL TENDENCY (ONLY UP TO MEAN)	15	05	-	01	01	15(07)
	40	10	02	03	02	40(17)
INTRODUCTORY MICROECONOMICS (SECTION-B)						
INTRODUCTORY MICROECONOMICS	15	02	01	01	01	15(05)
CONSUMER'S EQUILIBRIUM (a) UTILITY (b) DEMAND & ELASTICITY OF DEMAND	25	08	01	02	01	25(12)
	40	10	02	03	02	40(17)
TOTAL (Section A+ Section B)	80	20	04	06	04	40+40=80(34)

DAV PUBLIC SCHOOL, GANDHI NAGAR, RANCHI**CLASS-XI****SYLLABUS - FMM (805)**

MONTH	CHAPTER/CONTENTS	HALF YEARLY EXAM (WEIGHTAGE)	ANNUAL EXAM (WEIGHTAGE)
JUNE,2024	MARKET AND FINANCIAL INSTRUMENTS	15	06
JULY,2024	PRIMARY AND SECONDARY MARKET	17	08
	ES-COMMUNICATION SKILLS	05	02
AUGUST,2024	MUTUAL FUNDS PRODUCTS & FEATURES	18	06
	ES-SELF MANAGEMENT SKILLS	05	02
SEPTEMBER,2024	HALF YEARLY EXAMINATION		
SEPTEMBER,2024	ETFs, DEBT & LIQUIDFUNDS	--	12
OCTOBER,2024	ETFs, DEBT & LIQUIDFUNDS	--	
NOVEMBER,2024	TAXATION & REGULATIONS	--	10
	ES-ICT SKILLS	--	02
DECEMBER,2024	QUANTITATIVE EVALUATION OF MUTUAL FUNDS	--	08
	ES- ENTERPRENUERIAL SKILLS	--	02
JANUARY,2025	FMM- REVISION ES- GREEN SKILLS	---	-- 02
FEBRUARY,2025	ANNUAL EXAMINATION		

DAV PUBLIC SCHOOL, GANDHI NAGAR, RANCHI
SCHEDULE OF SYLLABUS [SESSION - 2024-25] CLASS -XI

SUBJECT: PHYSICAL EDUCATION (048)

MONTHS	CHAPTER/UNIT	TOPICS
JUNE,2024	1. Changing trends and career in physical education	Courses in physical education, Career options , Changes in playing surfaces, equipment, technologies
JULY,2024	2. Olympism	Values of Olympic, History, summary
JULY,2024	3. Yoga	Asthma, Diabetes, Hypertension, Arthritis, Obesity Helpful asanas & their procedures with contraindications
AUGUST, 2024	4. Physical education and sports for C. W. S. N.	Paralympic, Special Olympics, Deaflympics Types of disability and disorder
SEPTEMBER, 2024	5. Physical fitness, wellness and lifestyle	Balanced diet B. M. I Calculation
OCTOBER,2024	6. Test and measurement in sports	S. A. I. Khelo India fitness test Types of physical fitness test
NOVEMBER,2024	7. Physiology and injuries in sports	Importance of Physiology in sports Types of injuries and First aid
REVISION		
DECEMBER,2024	8. Fundamentals of anatomy and physiology	Studies of muscle and bones, Science of physiology
JANUARY, 2024	9. Psychology and sports	Importance of psychology in sports
FEBRUARY, 2024	10. Training and doping in sports	Training methods, Warm up and conditioning Training cycles
MARCH,2024		