

DAV CENTENARY PUBLIC SCHOOL , PASCHIM ENCLAVE , NEW DELHI-87

SYLLABUS (2024-25)

CLASS-XI (SCIENCE)

MATHEMATICS

SYLLABUS OF HALF-YEARLY EXAM (TERM-I)

S.NO.	CONTENT
1.	Chapter 1: Sets
2.	Chapter 2: Relations and Functions
3.	Chapter 3: Trigonometric Functions
4.	Chapter 4: Complex Numbers
5.	Chapter 5: Linear Inequalities
6.	Chapter 6: Permutations and Combinations
7.	Chapter 7: Binomial Theorem
8.	Chapter 11: Three Dimensional Geometry
9.	Chapter 14: Probability

SYLLABUS OF ANNUAL EXAM (TERM-II)

S.NO.	CONTENT
1.	Chapter 9: Straight Lines
2.	Chapter 10: Conic Sections
3.	Chapter 12: Limits and Derivatives
4.	Chapter 8: Sequence and Series
5.	Chapter 13: Statistics
	Note: Syllabus of Term I (Half-Yearly) will be included with the syllabus of term II for the annual exam.

SYLLABUS FOR CLASS TEST, PERIODIC TEST AND PRE-BOARD

CLASS TEST (APRIL-MAY)	PT-I (JULY)	PT-II (NOVEMBER)	PRE-BOARD (JANUARY)
Sets	Relations and Functions	Straight lines	Full syllabus
Linear Inequalities	Complex numbers	Conic sections	
	Three- dimensional geometry		

PHYSICS

SYLLABUS OF HALF-YEARLY EXAM (TERM-I)

S.NO.	CONTENT
1.	Physical world and measurements
2.	Kinematics
3.	Laws of motion
4.	Work, Energy and power
5.	System of particles and Rigid body

SYLLABUS OF HALF-YEARLY EXAM (TERM-II)

S.NO.	CONTENT
1.	Gravitation
2.	Mechanical Properties of solids , Fluids and bulk matter
3.	Thermodynamics
4.	Behaviour of perfect gases and Kinetic theory of gases
5.	Oscillations and waves

* Syllabus of Annual Term includes both TERM I and TERM II

SYLLABUS FOR CLASS TEST / SPECIAL TEST AND PERIODIC TEST

SPECIAL / CLASS TEST (APRIL-MAY)	PT-I (JULY)	PT-II (NOVEMBER)	PT-III (JANUARY)	SPECIAL TEST/ PRE-BOARD
Units and measurements, motion in straight line	Motion in plane and vectors	Gravitation and mechanical properties of solids	Full syllabus	Full syllabus

CHEMISTRY

HALF YEARLY EXAM (SEPTEMBER)
SOME BASIC CONCEPTS OF CHEMISTRY
STURCTURE OF ATOM
CLASSIFICATION OF ELEMENTS AND PERIODICITY IN PROPERTIES
CHEMICAL BONDING AND MOLECULAR STRUCTURE
REDOX REACTIONS

SPECIAL TEST/ PRE-BOARD (JANUARY-25)
WHOLE SYLLABUS

* Syllabus of Annual Term includes both TERM I and TERM II

SPECIAL / CLASS TEST (APRIL-MAY)	PT-I (JULY)	PT-II (NOVEMBER)
REDOX REACTIONS	SOME BASIC CONCEPTS OF CHEMISTRY	ORGANIC CHEMISTRY : SOME BASIC PRINCIPLES AND TECHNIQUES
	STURCTURE OF ATOM (TILL DONE)	

BIOLOGY

SYLLABUS OF HALF-YEARLY EXAM (TERM-I)

S.NO.	CONTENT
1.	Chapter-8: Cell-The Unit of Life
2.	Chapter-9: Biomolecules
3.	Chapter-10: Cell Cycle and Cell Division
4.	Chapter-17: Breathing and Exchange of Gases
5.	Chapter-18: Body Fluids and Circulation
6.	Chapter-19: Excretory Products and their Elimination
7.	Chapter-20: Locomotion and Movement
8.	Chapter-21: Neural Control and Coordination
9.	Chapter-22: Chemical Coordination and Integration

* Syllabus of Annual Term includes both TERM I and TERM II

SYLLABUS OF ANNUAL EXAM (TERM-II)

S.NO.	CONTENT
1.	Chapter-1: The Living World
2.	Chapter-2: Biological Classification
3.	Chapter-3: Plant Kingdom
4.	Chapter-4: Animal Kingdom
5.	Chapter-5: Morphology of Flowering Plants
6.	Chapter-6: Anatomy of Flowering Plant
7.	Chapter-7: Structural Organisation in Animals
8.	Chapter-13: Photosynthesis in Higher Plants
9.	Chapter-14: Respiration in Plants
10.	Chapter-15: Plant - Growth and Development

SYLLABUS FOR CLASS TEST / SPECIAL TEST AND PERIODIC TEST

SPECIAL / CLASS TEST (APRIL-MAY)	PT-I (JULY)	PT-II (NOVEMBER)	PT-III (JANUARY)	SPECIAL TEST/ PRE-BOARD
Chapter 8	Chapter 8 & 9	Chapter 13,14 & 15	Full syllabus	Full syllabus

ENGLISH

SYLLABUS OF HALF-YEARLY EXAM (TERM-I)

S.NO.	CONTENT
1.	Section A: Reading Skills A. One Unseen Passage for comprehension B. One case-based comprehension passage C. Note making and Summary writing
2.	Section B: Grammar and Writing skills Grammar: Questions on gap filling (Tenses and clauses), Re-ordering/Transformation of sentences Writing Skills A. Classified Advertisements B. Poster making C. Speech writing D. Debate writing
3.	Literature Hornbill: The Portrait of a Lady, A Photograph, We're Not Afraid to Die, Discovering Tut, The Laburnum Top, The Voice of the Rain Snapshots: The Summer of the Beautiful White Horse, The Address

SYLLABUS OF ANNUAL EXAM (TERM-II)

S.NO.	CONTENT
1.	Section A: Reading Skills A. One Unseen Passage for comprehension B. One case-based comprehension passage C. Note making and Summary writing
2.	Section B: Grammar and Writing skills Grammar: Questions on gap filling (Tenses and clauses), Re-ordering/Transformation of sentences Writing Skills: A. Classified Advertisements B. Poster making C. Speech writing D. Debate writing
3.	Literature Hornbill: The Portrait of a Lady, A Photograph, We're Not

Afraid to Die, Discovering Tut, The Laburnum Top, The Voice of the Rain, The Adventure, Childhood, Silk Road, Father to Son
Snapshots: The Summer of the Beautiful White Horse, The Address, Mother's Day, Birth, The Tale of Melon City

SYLLABUS FOR CLASS TEST (APRIL-MAY)

The Portrait of a Lady, Tenses

SYLLABUS FOR PT-1 (July)

A Photograph, The Summer of the beautiful white horse, We're not afraid to
Poster making, Speech/Debate

SYLLABUS FOR PT-2 (November)

Mother's Day, Childhood poem, Classified Advertisements, Speech/Debate,
Integrated Grammar

SYLLABUS FOR SPECIAL TEST/PRE-BOARD

Section A: Reading Skills

- A. One Unseen Passage for comprehension
- B. One case-based comprehension passage
- C. Note making and Summary writing

Section B: Grammar and Writing skills

Grammar: Questions on gap filling (Tenses and clauses), Re-ordering/Transformation of sentences

Writing Skills:

- A. Classified Advertisements
- B. Poster making
- C. Speech writing
- D. Debate writing

Literature

Hornbill: The Portrait of a Lady, A Photograph, We're Not Afraid to Die, Discovering Tut, The Laburnum Top, The Voice of the Rain, The Adventure, Childhood, Silk Road, Father to Son

Snapshots: The Summer of the Beautiful White Horse, The Address, Mother's Day, Birth, The Tale of Melon City

COMPUTER SCIENCE

SYLLABUS OF HALF YEARLY EXAM (TERM -I)

S.NO.	CONTENT
1.	Unit-2 Computational Thinking and Programming-1

SYLLABUS OF ANNUAL EXAM (TERM -II)

S.NO.	CONTENT
1	Unit-1 Computer Systems and Organisation
2	Unit-2 Computational Thinking and Programming-1
3	Unit-3 Society, Law and Ethics

Special Test (April-May)	PT-I (July)	PT-II (November)	PT-III (January)	Special Test/ Pre-Board
Unit-2 Computational Thinking and Programming-1 (Half Unit)	Unit 2 Computational Thinking and Programming-1 (Half Unit)	Unit 1 Computer Systems and Organisation	Unit 3 Society, Law and Ethics	Full Syllabus

S.NO.	PRACTICAL
1.	15 Practicals based on python basics using data types, operators, lists, strings, tuple, dictionary, loops, decision making, membership operators.
2.	10 Practicals based on python functions
3.	10 Practicals based on math and random library
4.	Project

PHYSICAL EDUCATION

Theory - 70 Marks

Practical - 30 Marks

Total -100 Marks

Unit 1 Changing trends and career in physical education

Unit 2 Olympic value education

Unit 3 Yoga

Unit 4 Physical education and sports for CWSN (Children with special needs - Divyang)

Unit 5 Physical fitness, Wellness and Lifestyle

Unit 6 Test, Measurement and Evaluation

Unit 7 Fundamentals of Anatomy and Physiology in Sports

Unit 8 Fundamentals of Kinesiology and Biomechanics in Sports

Unit 9 Psychology and sports

Unit 10 Training and Doping in sports

Syllabus for Class test (April- May)

Unit 1 Changing trends and career in physical education

Syllabus for PT 1 (July)

Unit 2 Olympic value education

Unit 3 Yoga

Syllabus for PT 2 (November)

Unit 4 Physical education and sports for CWSN

Unit 5 Physical fitness, wellness and lifestyle

Syllabus for Half yearly

Unit 1 Changing trends and career in physical education

Unit 2 Olympic value education

Unit 3 Yoga

Unit 4 Physical education and sports for CWSN (Children with special needs -Divyang)

Unit 5 Physical fitness, Wellness and Lifestyle

Unit 6 Test, Measurement and Evaluation

Syllabus for Pre-Board

Unit 1 Changing trends and career in physical education

Unit 2 Olympic value education

Unit 3 Yoga

Unit 4 Physical education and sports for CWSN (Children with special needs -Divyang)

Unit 5 Physical fitness, Wellness and Lifestyle

Unit 6 Test, Measurement and Evaluation

Unit 7 Fundamentals of Anatomy and Physiology in Sports

Unit 8 Fundamentals of Kinesiology and Biomechanics in Sports

Unit 9 Psychology and sports

Unit 10 Training and Doping in sports