



MOUNT CARMEL SCHOOL, CHANDIGARH
Syllabus XI, Session 2026-27
Science (Term-1)

ENGLISH : (301)

April-May Literature

Hornbill

Lesson 1 - The Portrait of a Lady

Poem 1- A Photograph

Poem 2- The Laburnum Top

Snapshot

Lesson 1 – The Summer of the Beautiful White Horse

Writing Skills- Poster

Grammar- Tenses

July Literature

Hornbill

Lesson 2 – We’re Not Afraid to Die.....if We Can All Be Together”

Poem 3- The Voice of the Rain

Snapshot

Lesson 2 – The Address

Lesson 4 - The Birth

Writing Skills: Speech

August

Writing Skill - Advertisement , Debate

Grammar – Re-ordering of sentences

Reading Skill – Note Making & Unseen Comprehension Passages

September: Assessment of Speaking and Listening

Revision and Term Examination

Total Marks : 80

SECTION – A READING 26 MARKS

- I. One Unseen Passage. Factual Descriptive or literary (10x1=10)
 - II. One Unseen Passage (All Multiple Choice Questions. / Objective Type Questions). (8x1=8)
 - III. Note Making and Summarization of the passage of approximately 200 – 250 words (5 + 3)
- SECTION - B Grammar and Creative Writing Skills (23 marks)**
(Grammar- 7 marks)
- IV. Questions on Gap filling
 - V. Questions on Sentences Reordering / Transformation of Sentences. (Seven out of eight questions to be attempted).

WRITING - (16 marks)

Creative Writing Skills

- VI. Short Writing Task – Classified Advertisements (up to 50 words) 1 out of two (3 marks)
- VII. Poster up to 50 words 1 out of two (3 marks)
- VIII. Writing a Speech in 120 -150 words. (5 marks)

IX. Writing a Debate in 120 -150 words. (5 marks)

SECTION C LITERATURE (31 marks)

- X. Any one out of two extracts extract from Poetry from the book Hornbill . (3x1=3)
XI. One out of two Prose extract. (Hornbill) (3x1=3)
XII. One out of two Prose extracts from Snapshots (4 x1 =4)
XIII. Answer in 40 -50 words. Two out of four Short Answer Questions from Hornbill (One from Prose, One from Poetry) (3x 2=6)
XIV. One out of two Short Answer Question from Snapshot to be answered in 40 – 50 words. (3 x1=3)
XV. One Long Answer Question from Prose/ Poetry (Hornbill) to be answered in 140 – 150 words. (6x1=6)
XVI. One Long Answer Question from Snapshots to be answered in 140 – 150 words (6x1=6)

UNIT TEST MARKING SCHEME

Section – A Reading	05 Marks
Section – B Grammar & Writing	02 Marks
	04 Marks
Section - C Literature	09 Marks

Note: * Subject to changes as per CBSE instructions.

PHYSICS: (042)

April	Ch-1 Units and Measurements
May	Ch-2 Motion in a Straight Line Ch-3 Motion in a Plane
July	Ch-4 Laws of Motion Ch-5 Work, Energy and Power
August	Ch-6 System of Particles and Rotational Motion Ch-7 Gravitation

Practical: Term 1 Practicals related to the Theory will be covered side by side.

Format of Question Paper for Unit Test: 20 Marks.

There are **07 Questions** in the U.T. Question Paper.

Time: 45 minutes

Section	Type of Questions	No. Of Questions	Marks for each	Total Marks
A	Very Short Answer Questions	3	2	6
B	Short Answer Questions	3	3	9
C	Long Answer Questions	1	5	5
	Total			20

Terminal Examination: 100 Marks (70+30)

Theory Exam: 70 Marks

Practical Exam: 30 Marks

Format of Question Paper for Theory Examination: 70 Marks.

There are 33 Questions in the Question Paper with internal choice.

Section	Type of Questions	No. Of Questions	Marks for each	Total Marks
A	Objective Questions (12 Multiple Choice Questions + 4 Assertion and Reasoning)	16	1	16
B	Very Short Answer Questions	5	2	10
C	Short Answer Questions	7	3	21
D	Case-Based Questions	2	4	8
E	Long Answer Questions	3	5	15
	Total			70

Format of Practical Examination: 30 Marks.

Time: 3 hours

Topic	Marks
Two experiments one from each section	7+7
Practical record (experiment)	5
Art Integrated Project	3
Viva on experiments, activities and project	8
Total	30

* Note: Subject to changes as per CBSE instruction

BIOLOGY: (044)

April

1. Chapter-1: The Living World
2. Chapter-2: Biological Classification
3. Chapter-3: Plant Kingdom

May

4. Chapter-4: Animal Kingdom
5. Chapter-5: Morphology of Flowering Plants
6. Chapter-6: Anatomy of Flowering Plants

July

7. Chapter-7: Structural Organisation in Animals
8. Chapter-8: Cell-The Unit of Life

August

9. Chapter-9: Biomolecules
10. Chapter-10: Cell Cycle and Cell Division

PRACTICALS (Max. Marks: 30)

Evaluation Scheme

1. One Major Experiment (Part A)

Marks

5 Marks

- | | |
|----------------------------------|---------|
| 2. One Minor Experiment (Part A) | 4 Marks |
| 3. Slide Preparation (Part A) | 5 Marks |
| 4. Spotting (Part B) | 7 Marks |
| 5. Practical Record + Viva Voce | 4 Marks |
| 6. Project Record + Viva Voce | 5 Marks |

A: List of Experiments

1. Study and describe locally available common flowering plants.
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.
5. Test for the presence of sugar, starch, proteins and fats in suitable plant and animal materials.

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. Mitosis in onion root tip cells and animals cells (grasshopper) from permanent slides.
5. Different types of inflorescence (cymose and racemose).

QUESTION PAPER BLUE PRINT (MAX. MARKS: 70)

Typology	Marks
Objective type (MCQ, AR)	16
Short Answer Type (2 Marks)	10
Short Answer Type (3 Marks)	21
Case Based Type (4 Marks)	8
Long Answer Type (5 marks)	15

*Any changes in the syllabus/pattern will be intimated to the students in due time.

CHEMISTRY: (043)

<u>Month</u>	<u>Unit No</u>	<u>Chapter</u>
April	01	Some Basic Concepts of Chemistry
May	02	Structure of Atom
July	03	Classification of Elements and Periodicity in Properties
August	04	Chemical Bonding and Molecular Structure

September

Revision and Terminal Examination

Practical Work:

- | | |
|----------------------------|--|
| *Volumetric Analysis: | Titration of NaOH with HCl
Titration of Oxalic acid with NaOH |
| *Content Based Experiment: | Preparation of Crystals |

Format of Question Paper for Unit Test: 20 Marks

There are 07 questions in the question paper.

SECTION	TYPE OF QUESTIONS	No. OF QUESTION	MARK FOR EACH	TOTAL MARKS
A	Very Short Answer Type Questions	3	2	6
B	Short Answer Type Questions	3	3	9
C	Long Answer Type Questions	1	5	5

Format of Question Paper for Terminal Examination: 70 Marks

There are 33 questions in the question paper with internal choice.

SECTION	TYPE OF QUESTIONS	No. OF QUESTION	MARK FOR EACH	TOTAL MARKS
A	MCQs & Assertion-Reasoning Type Questions	12 & 4	1	16
B	Very Short Answer Type Questions	5	2	10
C	Short Answer Type Questions	7	3	21
D	Case Study Based Questions	2	4	8
E	Long Answer Type Questions	3	5	15

Practical: 30 Marks

Evaluation Scheme for Examination	Marks
Volumetric Analysis	10
Project Work	10
Class Record & Viva	10
Total	30

Note: Subject to changes as per CBSE instructions.

MATHS: (041)

APRIL	1	Sets
	5	Linear Inequalities
MAY	3	Trigonometric Functions
	4	Complex Numbers & Quad. Equations
JULY	6	Permutations & Combinations
	8	Sequences & Series
	7	Binomial Theorem
AUGUST	2	Relations and Functions
	9	Straight Lines

Mathematical Activities –

- (a) Lab Manual : 10Activities
- (b) Assessment of the activities

(c) Viva- voce

Format and Marks Distribution:

Unit Test: 20 marks

Final Exam : 80 marks

INTERNAL ASSESSMENT	20 MARKS
Periodic Tests (Best 2 out of 3 tests conducted)	10 Marks
Mathematics Activities	10 Marks

Marking Scheme of Terminal Examination (80 Marks)

SECTION	TYPE	NO. OF QUESTIONS	MARKS PER QUESTION	TOTAL MARKS
A	Multiple Choice Questions & Assertion-Reasoning	20	20	20
B	Very Short answer Type Questions	5	2	10
C	Short Answer Type Questions	6	3	18
D	Long Answer Type Questions	4	5	20
E	Case Study	3	4	12

Note: * Subject to changes as per CBSE instruction

The following topics are included in the syllabus but will be assessed only formatively to reinforce understanding without adding to summative assessments.

S. No.	Content
	Unit-I: Sets and Functions
1.	Sets Practical problems on Union and Intersection of two sets.
2.	Relations and Functions Composition of Functions
3.	Trigonometric Functions General solution of trigonometric equations of the type $\sin y = \sin a$, $\cos y = \cos a$ and $\tan y = \tan a$.
	Unit-II: Algebra
1.	Principle of Mathematical Induction Process of the proof by induction, motivating the application of the method by looking at natural numbers as the least inductive subset of real numbers. The principle of mathematical induction and simple applications.
2.	Complex Numbers and Quadratic Equations Polar representation of complex numbers. Statement of Fundamental Theorem of Algebra, solution of quadratic equations (with real coefficients) in the complex number system.
3.	Linear Inequalities Graphical solution of linear inequalities in two variables. Graphical method of finding a solution of system of linear inequalities in two variables.
4.	Permutation and Combination

	The fundamental principle of counting. Factorial n. (n!) Permutations and combinations, derivation of Formulae for nPr and nCr and their connections, simple applications.
5.	Binomial Theorem
	General and middle term in binomial expansion.
6.	Sequence and series
	Formulae for the following special sums $\sum_{k=1}^n k, \sum_{k=1}^n k^2, \sum_{k=1}^n k^3$
Unit-III: Coordinate Geometry	
1.	Straight Lines
	Normal form. General equation of a line.
2.	Introduction to Three-dimensional Geometry
	Section formula.
Unit-IV: Calculus	
1.	Limits and Derivatives
	Derivatives of composite functions (Chain rule).
Unit-V Statistics and Probability	
1.	Probability
	Random experiments; outcomes ,sample space (set representation)

INFORMATICS PRACTICES (065)

Marks Distribution :-

Theory : 70 Marks

Practical : 30 Marks

Total Marks :- 100 Marks

April & May

Unit 1

Lesson-1 Introduction to Computer System

July

Unit 2

Introduction to Python

Lesson -2 Getting Started with Python

Lesson -3 Python Programming Fundamentals

August

Lesson –4 Conditional and Looping Constructs

Lesson -5 Lists in Python

Lesson- 6 Dictionary in Python

Lesson – 7 NumPy

September

Practical and Terminal Examination

Practical Marks Distribution

S.No.	Unit Name	Marks
1.	Programs using Python Programming	18
2	Practical file (Minimum of 14 Python programs)	7
3.	Viva-Voce	5
	Total	30

Terminal Examination

Lessons 1, 2,3,4,5,6,7

Theory Paper - 70 Marks

Practical Paper - 30 Marks

Marks Distribution – Theory Paper (70 Marks)

Unit 1 (Lessons 1)

20 Marks

Unit 2 (Lesson 2,3,4,5,6,7)

50 Marks

Q1 to Q21 (Multiple Choice Questions)	---	1x21 =	21 Marks
Q22 to Q28 (Short Answer Type Question)	---	2x 7 =	14 Marks
Q29 to Q32(Short Answer Questions)	---	3x4 =	12 Marks
Q33 and Q34 (Case Study)	---	4x2 =	8 Marks
Q35 to Q37 (Long Answer Questions)	---	5x3 =	15 Marks
Total	---		70 Marks

PHYSICAL EDUCATION : (048)

Theory: 70 Marks Practical: 30 Marks

April-May Unit-I: Changing Trends & Career in Physical Education.

July Unit-II: Olympism

Unit-III: Yoga

August- Unit -IV Physical Education & Sports For CWSN (Children With Special Needs-Divyang).

Unit-V: Physical Fitness, Health & Wellness

September- Revision & Terminal Examination.

Marking Scheme

General Instructions:

1. The question paper consists of 5 sections and 37 questions.
2. Section A consists of question 1-18 carrying 1 mark each and is Multiple Choice Questions. All questions are compulsory.
3. Sections B consist of questions 19-24 carrying 2 marks each and are Very Short Answer Types and should not exceed 60-90 words. Attempt any 5.
4. Sections C consist of Question 25-30 carrying 3 marks each and are Short Answer Types and should not exceed 100-150 words. Attempt any 5.
5. Sections D consist of Question 31-33 carrying 4 marks each and are case studies. There is internal choice available.
6. Section E consists of Question 34-37 carrying 5 marks each and are Short Answer Types and should not exceed 200-300 words. Attempt any 3.

*This syllabus is subject to changes as per the C.B.S.E instructions and guidelines.

Monthly Themes for the Display Boards- Senior Wing (Grades IX – XII)
(Session 2026-27)

Month	Theme
April	Save Environment
May	Discipline and Responsibility
July	Road Safety and Traffic rules
August	Unity in diversity
September	Inspirational Quotes
October	Great Indian Scientists and innovators
November	Careers of the Future
December	Christmas and The Joy of Giving
January, 2027	Inspiring stories of Young Achievers
February, 2027	Importance of Education