



MOUNT CARMEL SCHOOL, CHANDIGARH
Syllabus XI, Session 2024-25
Science (Term-1)

ENGLISH :

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 White Beautiful 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 – Practise Unseen Comprehension Passages and Note Making

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 M.C.Qs.). (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	03 Marks
Section - C Literature	09 Marks

Note: * Subject to changes as per CBSE instructions.

PHYSICS:

April-May:	Chapter 1 Units and Measurement Chapter 2 Motion in a straight line
July:	Chapter 3 Motion in a Plane Chapter 4 Laws of Motion
August:	Chapter 5 Work, Energy and Power Chapter 6 System of Particles and Rotational Motion
September:	Chapter 7 Gravitation Revision & First Terminal Examination

Practicals: Term 1 Practical 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 question paper.

- (i) SECTION - A consists of 3 very short answer questions carrying 2 marks each.
(ii) SECTION - B consists of 3 short answer questions carrying 3 marks each.
(iii) SECTION - C consists of 1 long answer questions carrying 5 marks.

Format of Question Paper for Theory Examination: 70 Marks

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

- (i) SECTION - A consists of 16 objective questions carrying 1 mark each.
(ii) SECTION - B consists of 5 very short answer questions carrying 2 marks each.
(iii) SECTION - C consists of 7 short answer questions carrying 3 marks each.
(iv) SECTION - D consists of 3 long answer questions carrying 5 marks each.
(v) SECTION - E consists of 2 case-based questions carrying 4 marks each.

Note: * Subject to changes as per CBSE instructions

BIOLOGY:

April-May

1. Chapter-1: The Living World
2. Chapter-2: Biological Classification
3. Chapter-3: Plant Kingdom
4. Chapter-4: Animal Kingdom.

July

5. Chapter-5: Morphology of Flowering Plants
6. Chapter-6: Anatomy of Flowering Plants
7. Chapter-7: Structural Organisation in Animals

August

8. Chapter-8: Cell-The Unit of Life
9. Chapter-9: Biomolecules
10. Chapter-10: Cell Cycle and Cell Division

September Revision & First Terminal Examination

PRACTICALS (Max. Marks: 30)

Evaluation Scheme

	Marks
1. One Major Experiment (Part A)	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
SA Type (2 Marks)	10
SA Type (3 Marks)	21
Case Based Type (4 Marks)	8
LA Type (5 marks)	15

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

CHEMISTRY:

April-May	01	Some Basic Concepts of Chemistry
	02	Structure of Atom
July	03	Classification of Elements and Periodicity in properties
	04	Chemical Bonding and Molecular Structure
August	05	Chemical Thermodynamics
September		Revision & First Terminal Examination

Practical Work:

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

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Format of Question Paper for Theory Examination: 70 Marks

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MATHS: (041)

April-May	5	Complex Numbers & Quad. Equations
	4	Sets
	3	Trigonometric Functions
July	5	Linear Inequalities
	2	Relations & Functions
	6	Permutations and Combinations
August	7	Binomial Theorem
	8	Sequence & Series
September		Revision & Terminal Examination

Activities to be covered :

- To represent set theoretic operations using Venn Diagrams.
- To distinguish between a Relation and a Function.
- To interpret geometrically the meaning of $i = \sqrt{-1}$ and its integral powers.

4. To demonstrate that the Arithmetic mean of two different positive numbers is always greater than the Geometric mean.

MARKS DISTRIBUTION
UNIT TEST

TYPE OF QUESTION	NO. OF Qs	MARKS FOR EACH	TOTAL MARKS
Very Short Answer	5	1	5
Short Answer	5	3	15
Grand Total	10		20 MARKS

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

Mathematical activities –(a) Lab Manual : 10 Activities
(b) Assessment of the activities
(c) Viva- voice

*** Please note that format for 80 marks Q. paper will be given later as per CBSE guidelines.**

INFORMATICS PRACTICES (065)

Marks Distribution :-

Theory : 70 Marks

Practical : 30 Marks

Total Marks :- 100 Marks

April	Unit 1	Lesson-1 Introduction to Computer System
	Unit 2	Introduction to Python
May		Lesson -2 Getting Started with Python
July		Lesson -3 Python Programming Fundamentals
August		Lesson –4 Conditional and Looping Constructs
		Lesson - 5 Lists in Python
		Lesson- 6 Dictionary in Python
September		Practicals
		Revision & 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

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)	50 Marks
Q1 to Q18	1x18 = 18 Marks
Q19 and Q25	2x 7 = 14 Marks
Q26 to Q30 (Short Answer Questions)	3x5 = 15 Marks
Q31 to Q33 (Long Answer Questions)	5x3 = 15 Marks
Q34 to Q35 (Case Base Questions)	4x2 = 8 Marks
Total	70 Marks

PHYSICAL EDUCATION :

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.