

**MOUNT CARMEL SCHOOL, CHANDIGARH**  
**Syllabus XI, Session 2023-24**  
**Science (Term-1)**

**ENGLISH :**

**April      Literature**

Hornbill  
Lesson 1 - The Portrait of a Lady  
Poem 1- A Photograph  
Poem 2- The Laburnum Top

**May        Snapshot**

Lesson 1 - The Summer of the Beautiful White Horse  
Lesson 2- Address  
**Writing Skill** - Poster, Speech  
**Grammar-** Tenses

**Literature**

**July        Hornbill-** Lesson 2 -“We’re Not Afraid to Die...if “We Can All Be Together”

**Poem 3. -** The Voice Of The Rain

**Snapshot** – Lesson 4- Birth

**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 Summarisation on the passage of approximately 200 – 250 words | (5 + 3)   |

**SECTION - B Grammar (7 marks)**

- IV. 1. Questions on Gap filling  
2. Questions on Sentences Reordering / Transformation of Sentences. (Seven out of eight questions to be attempted).

**SECTION - C WRITING - (16 marks)**

- V. Creative writing skills
- |  |           |
|--|-----------|
| 1. Short writing Task – classified advertisements (upto 50 words) 1 out of two | (3 marks) |
| 2. Poster upto 50 words 1 out of two   | (3 marks) |

3. Writing a speech in 120 -150 words. (5 marks)
4. Writing a debate in 120 -150 words. (5 marks)

#### **SECTION D LITERATURE (31 marks)**

- VI. 1.Any one out of two extracts extract from Poetry from the book Hornbill . (3x1=3)  
2.One out of two Prose extract. (Hornbill) (3x1=3)  
3. One Out of two Prose extracts from Snapshots (4 x1 =4)
- VII. Answer in 40 -50 words. Two out of four short answer questions from Hornbill (One from Prose, One from Poetry) (3x 2=6)
- VIII. One out of two short answer question from Snapshot to be answered in 40 – 50 words. (3 x1=3)
- IX. One long answer question from Prose/ Poetry (Hornbill) to be answered in 140 – 150 words. (6x1=6)
- X. 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	03 Marks
Writing -	03 Marks
Section C Literature	09 Marks

**Note:** \* Subject to changes as per CBSE instructions.

### **PHYSICS:**

**April:**

Chapter 2 Units and Measurement

**May**

Chapter 3 Motion in a straight line

**July**

Chapter 4 Motion in a Plane

**August**

Chapter 5 Laws of Motion

Chapter 6 Work, Energy and Power

**September:**

Revision for First Terminal Examination

**Practicals:** Term 1 Practicals related to the theory will be covered side by side.

#### **Format of Question Paper for Unit Test (For Class – XI): 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 (For Class – XI): 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.

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## **BIOLOGY:**

<b>April:</b>	Chapter-1: The Living World Chapter-2: Biological Classification
<b>May:</b>	Chapter-3: Plant Kingdom Chapter-4: Animal Kingdom
<b>July:</b>	Chapter-5: Morphology of Flowering Plants Chapter-6: Anatomy of Flowering Plants Chapter-7: Structural Organisation in Animals
<b>August:</b>	Chapter-8: Cell-The Unit of Life Chapter-9: Biomolecules Chapter-10: Cell Cycle and Cell Division
<b>September</b>	Revision for the Mid-Term Exams.

**Note:** Practicals related to the theory will be covered side by side.

### **Typology of questions: Theory (70 Marks)**

The Question paper will consist of:

VSA including MCQs, Assertion – Reasoning type questions; SA; LA-I; LA-II; Source-based/ Case-based/ Passage-based/ Integrated assessment questions.

### **Practical Exam Format**

Time allowed: 3 Hours      Max. Marks: 30

Evaluation Scheme	Marks
One Major Experiment	5
One Minor Experiment	4
Slide Preparation	5
Spotting	7
Practical Record + Viva Voce	4
Investigatory Project and Viva Voce	5
Total	30

## **CHEMISTRY:**

<b>April</b>	<b>Unit:1-</b> Some Basic Concepts in Chemistry
<b>May</b>	<b>Unit:2-</b> Atomic Structure
<b>July</b>	<b>Unit:3-</b> Periodic Classification of Elements
<b>August</b>	<b>Unit:4-</b> Chemical Bonding and Molecular Structure
<b>September</b>	Revision Work

### **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 (For Class – XI and XII): 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 (For Class – XI): 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.

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### **MATHS: (041)**

#### **CH. TOPIC**

<b>April</b>	<b>5</b>	Complex Numbers & Quad. Equations
<b>May</b>	<b>1</b>	Sets
	<b>9</b>	Sequence & Series
	<b>6</b>	Linear Inequalities
<b>July</b>	<b>2</b>	Relations & Functions
	<b>3</b>	Trigonometric Functions
<b>August</b>	<b>7</b>	Permutations and Combinations
	<b>8</b>	Binomial Theorem
<b>September</b>		Revision work for Term-1.

#### **Activities to be covered :**

1. To represent set theoretic operations using Venn Diagrams.
2. To distinguish between a Relation and a Function.
3. 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

**September:** Revision for Term-1

<b>INTERNAL ASSESSMENT</b>	<b>20 MARKS</b>
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**

**Lesson –4 Conditional and Looping Constructs**

**August: Lesson - 5 Lists in Python**

**Lesson- 6 Dictionary in Python**

**September: Practical and Terminal Examination**

### **Practical Marks Distribution**

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

### **Terminal Examination**

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

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	---	2 x 7 = 14 Marks
Q26 to Q30 (short ans. Ques)	---	3 x 5 = 15 Marks
Q31 to Q33 (Long Ans Ques)	---	5 x 3 = 15 Marks
Q34 to Q35 (Case base Ques)	---	4 x 2 = 8 Marks
Total	---	70 Marks

**Programs to be given for the Practical File:-**

14 Python Programs

**PHYSICAL EDUCATION :**

<b>April</b>	Unit-I: Changing Trends & Career in Physical Education.
<b>May</b>	Unit-II: Olympism & Value Education
<b>July</b>	Unit-III: Yoga
	Unit -IV Physical Education & Sports For CWSN (Children with Special Needs-Divyang).
<b>August-</b>	Unit-V: Physical Fitness, Health & Wellness
	Unit VI- Test, Measurement & Evaluation

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