



MOUNT CARMEL SCHOOL, CHANDIGARH
Syllabus, Term-2, Session 2024-25
Class XI, (Science Section)

ENGLISH (301)

October: Hornbill - Discovering Tut: The Saga Continues
Childhood (Poem)

Grammar Section - Clauses

Snapshots - Mother's Day (Play)

November: Hornbill- The Adventure

Silk Road (Prose)

Grammar Section – Transformation of Sentences

December: Hornbill- Father to Son

Snapshots -The Tale of Melon City

Section A – Reading Skills (26 Marks)

I Reading Comprehension through Unseen Passages (10+8=18 Marks)

1. One unseen passage to assess comprehension, interpretation, analysis, inference and vocabulary. The passage may be factual, descriptive or literary.
2. One unseen **Case-Based Factual** passage with verbal/visual inputs like statistical data, charts etc. to assess comprehension, interpretation, analysis, inference and evaluation.

Note: The combined word limit for both the passages will be 600-750. (Multiple Choice Questions / Objective Type Questions will be asked).

3. Note Making and Summarization based on a passage of approximately 200-250 words.
 - i. Note Making: **5 Marks**
 - ii. Summary (up to 50 words): **3 Marks**

Section B – Grammar and Creative Writing Skills (23 Marks)

II Grammar

7 Marks

4. Questions on Gap filling (Tenses, Clauses)
5. Questions on re-ordering/transformation of sentences

III Creative Writing Skills (16 Marks)

6. Short writing task – Classified Advertisements, up to 50 words. One out of the two given questions to be answered (**3 Marks**: Format : 1 / Content : 1 / Expression : 1)
7. Short writing task –Poster up to 50 words. One out of the two given questions to be answered. (**3 marks**: Format : 1 / Content : 1 / Expression : 1)
8. Long Writing task: Speech in 120-150 Words Based On Verbal / Visual Cues related to contemporary / Age-Appropriate Topic. One out of the two given questions to be answered.

(**5 Marks**: Format: 1 / Content: 2 / Expression: 2)

9. Long Writing Task: Debate based on visual/verbal inputs in 120-150 words, thematically related to contemporary, topical issues. One out of the two given questions to be answered.

(**5 Marks**: Format: 1 / Content: 2 / Expression: 2)

Section C – 31 Marks

Literature Text Book and Supplementary Reading Text

This section will have variety of assessment items including Multiple Choice Questions, Objective Type Questions, Short Answer Type Questions and Long Answer Type Questions to assess comprehension, interpretation, analysis, evaluation and extrapolation beyond the text.

10. One Poetry extract out of two, from the book **Hornbill**, to assess comprehension, interpretation, analysis, inference and appreciation. **(3x1=3 Marks)**
11. One Prose extract out of two, from the book **Hornbill**, to assess comprehension, interpretation, analysis, evaluation and appreciation. **(3x1=3 Marks)**
12. One prose extract out of two, from the book **Snapshots**, to assess comprehension, interpretation, analysis, inference and appreciation. **(4x1=4 Marks)**
13. Two Short answer type questions (one from Prose and one from Poetry, from the book **Hornbill**), out of four, to be answered in 40-50 words. Questions should elicit inferential responses through critical thinking. **(3x2=6 Marks)**
14. One Short answer type question, from the book **Snapshots**, to be answered in 40- 50 words. Questions should elicit inferential responses through critical thinking. One out of two questions to be done. **(3x1=3 Marks)**
15. One Long answer type question, from **Prose/Poetry of Hornbill**, to be answered in 120-150 words. Questions can be based on incident / theme / passage / extract / event, as reference points to assess extrapolation beyond and across the text. The question will elicit analytical and evaluative response from the student. Any one out of two questions to be done. **(1x6=6 Marks)**
16. One Long answer type question, based on the chapters from the book **Snapshots**, to be answered in 120-150 words, to assess global comprehension and extrapolation beyond the text. Questions to provide analytical and evaluative responses, using incidents, events, themes, as reference points. Any one out of two questions to be done. **(1x6=6 Marks)**

INTERNAL ASSESSMENT

Assessment of Listening Skills - 05 marks.

Assessment of Speaking Skills – 05 Marks

Project Work - 10 Marks

*** All chapters and writing compositions done in Term I will also be included for the Final Examination.**

PHYSICS (042)

- Ch-8 Mechanical Properties of Solids
- Ch-9 Mechanical Properties of fluids
- Ch-10 Thermal Properties of Matter
- Ch-11 Thermodynamic
- Ch-12 Kinetic Theory
- Ch-13 Oscillations
- Ch-14 Waves

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 instruction

BIOLOGY (044)**Theory**

1. Chapter-13: Photosynthesis in Higher Plants.
2. Chapter-14: Respiration in Plants.
3. Chapter-15: Plant - Growth and Development.
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.

Practicals**A: List of Experiments:**

1. Study of osmosis by potato osmometer.
2. Comparative study of the rates of transpiration in the upper and lower surfaces of leaves.
3. Separation of plant pigments through paper chromatography.
4. Study of the rate of respiration in flower buds/leaf tissue and germinating seeds.

B. Study and Observe the following (spotting):

1. Mitosis in onion root tip cells and animal cells (grasshopper) from permanent slides.
2. Human skeleton and different types of joints with the help of virtual images/models only.

Note: All the Chapters and Practical covered in Term-I will also be included for the Final Examination.

Unit Test

TYPE OF QUESTION	No. of Qs	Marks for each Qs	Total Marks
Objective Based Items	2	1	2
Very Short Answer	2	2	4
Short Answer	3	3	9
Long Answer	1	5	5
Grand Total	7		20

Typology of Questions: Theory (70 Marks)

Competency Based Questions would be minimum 30% These can be in the form of Multiple Choice Questions, Case based Questions, Source based Integrated Questions or any other types. • Objective Type Questions will be 20% • Remaining 50% Short Answer/Long Answer Questions

Practical Evaluation Scheme

- One Major Experiment (Part A) 5 Marks
- One Minor Experiment (Part A) 4 Marks
- Slide Preparation (Part A) 5 Marks
- Spotting (Part B) 7 Marks
- Practical Record + Viva Voce 4 Marks
- Project Record + Viva Voce 5 Marks

CHEMISTRY (043)

Theory:(Maximum Marks:70)

Month	Unit No	Chapter
October	06	Equilibrium
	07	Redox Reaction
November	08	Organic Chemistry: Some Basic Principles and Techniques
December	09	Hydrocarbons
January		Revision work

Practical Work:(Maximum Marks:30)

* Salt Analysis: Acidic and Basic Radicals

*Content Based Experiment: Preparation of Crystals

Format of Question Paper for Unit Test : 20 Marks

There are 07 questions in the question paper.

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

Format of Question Paper for Examination : 70 Marks

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

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

Practical

Evaluation Scheme for Examination	Marks
Volumetric Analysis	8
Salt Analysis	8
Content Based Experiment	6
Project Work	4
Class Record & Viva	4
Total	30

***All chapters done in Term I will also be included for the Final Examination.**

Note: Subject to changes as per CBSE instructions.

MATHS (041)

MONTH	CHAPTER NO.	TOPIC
October	10.	Conic Sections
October	11.	Introduction to Three Dimensional Geometry
November	13.	Statistics
November	14.	Probability
December	12.	Limits & Derivatives

Unit Test (20 marks)

S. No	Type No.	Total Marks
1	Very Short Answer Type Questions	5 x 1 = 5 marks
2	Short Answer Type Questions	5 x 3 = 15 marks

Marking Scheme of Final Examination (80 Marks)

Section	Type	No. Of Questions	Marks Per Question	Total Marks
A	MCQs.	20	20	20
B	Very Short Answer Type	5	2	10
C	Short Answer Type	6	3	18
D	Long Answer Type	4	5	20
E	Case Study	3	4	12

***All chapters done in Term I will also be included for the Final Examination.**

INTERNAL ASSESSMENT

20 Marks

Periodic Tests (Best 2 out of 3 tests conducted)

10 Marks

Mathematics Activities

10 Marks

Including Lab Manual & Practical}

PHYSICAL EDUCATION (048)

Theory : 70Marks

Practical : 30 Marks

October : Unit-6 Test, Measurement & Evaluation

Unit7- Fundamentals of Anatomy , Physiology in Sports

November Unit 8: Fundamentals of Kinesiology and Biomechanics in Sports

Unit 9: Psychology and Sports

December- Unit 10: Training and in Sports

January - Revision for the Examination

Unit Test Marks Distribution (M.M.20)

One-mark questions : 1x6=6

Very short Answer questions : 2x3=6

Short Answer question : 3x1=3

Long Answer questions : 5x1=5

Marking Scheme for Final Examination :

- 1) The question paper consists of 5 sections and 37 Questions.
- 2) Section A consists of questions 1-18 carrying 1 mark each and is multiple choice questions. All questions are compulsory.
- 3) Section B consists of questions 19-23 carrying 2 marks each.
- 4) Sections C consist of questions 24-28 carrying 3 marks each.
- 5) Section D consists of questions 29-31 carrying 4 marks each.
- 6) Section E consists of questions 32-34 carrying 5 marks each.

*** All chapters done in Term I will also be included for the Final Examination.**

INFORMATICS PRACTICES (065)

Marks Distribution :-

Theory : 70 Marks Practical : 30 Marks
Total Marks :- 100 Marks

October	Unit 4 – Introduction to Emerging Trends
November	Unit 3 – Database Concept and Structured Query Language
December	Revision for Final Examination
January	Revision Exams and Final Practical and Viva
February	Final Examination
March	Result

****Syllabus Covered in Term-I will also be a part of Final Examination to be held in February'2025.****

Practical Marks Distribution

S.No.	Unit Name	Marks
1	Problem solving using Python programming language	11
3	Creating Database using MySQL and performing Queries	7
4	Practical file (minimum of 14 python programs, and 14 SQL queries)	7
5	Viva-Voce	5
	Total	30

Marks Distribution – Theory Paper (70 Marks)

Unit 1 - 10 Marks
Unit 2 - 25 Marks
Unit 3 - 30 Marks
Unit 4 - 5 Marks

Marks Distribution – Theory Paper (70 Marks)

Section-A Q1 to Q21 (M.C.Q's)	---	1 x 21 = 21 Marks
Section-B Q22 to Q28 (Short Answer Type Questions)	---	2 x 7 = 14 Marks
Section-C Q29 to Q32 (Short Answer Type Questions)	---	3 x 4 = 12 Marks
Section-D Q33 and Q 34 (Case Study)	---	4 x 2 = 8 Marks
Section-E Q35 to Q37 (Ling Answer Type Questions)	---	5 x 3 = 15 Marks
Total	---	70 Marks

Month-Wise Themes for the Display Boards- Senior Wing (Classes IX – XII)
(Session 2024-25)

Month	Theme
April	Conservation of Nature
May	Dignity of Labour
July	Value of Tolerance and Democracy
August	Health and Physical Fitness
September	Women Empowerment
October	Communal Harmony & Equality
November	Wild Life: Our Special Friends
December	Christmas – A Time of Thanksgiving, Joy & Benevolence / Importance of Forgiveness
January, 2025	Climate Changes & Its Impact
February, 2025	Skill Based Education & Globalization
March, 2025	Subject Streams & Career Options

Unit Tests' Schedule (Term-II, 2024-25) [Class XI]

Date	STREAM		
	SCIENCE	COMMERCE	HUMANITIES
UNIT TEST – 2			
07-11-2024	ENGLISH	ENGLISH	ENGLISH
11-11-2024	MATHS / BIOLOGY	MATHS	HISTORY / LEGAL STUDIES
14-11-2024	PHYSICAL EDUCATION	PHYSICAL EDUCATION	PHYSICAL EDUCATION / PSYCHOLOGY / FOOD, NUTRITION & DIETETICS
18-11-2024	PHYSICS	ECONOMICS	ECONOMICS / GEOGRAPHY
21-11-2024	I.P.	I.P.	I.P.
26-11-2024	CHEMISTRY	ACCOUNTANCY	PAINTING
28-11-2024	-----	BUSINESS STUDIES	POLITICAL SCIENCE / HOME SCIENCE / ARTIFICIAL INTELLIGENCE