

MOUNT CARMEL PU COLLEGE

I PU – SCIENCE

PORTIONS FOR MIDTERM EXAMINATION OCTOBER 2025 - 2026

PHYSICS [33]

1. Units and measurements
2. Motion in a straight line
3. Motion in a plane
4. Laws of motion
5. Work, Energy and power.
6. System of particles and Rotational motion
7. Gravitation

CHEMISTRY [34]

1. Some Basic Concepts of Chemistry
2. Structure of Atom
3. Classification of Elements and Periodic Properties
4. Chemical bonding and Molecular structure – till Valence Bond theory (MOT is Excluded).
5. Thermodynamics till enthalpy of dilution (till 6.5 in NCERT text Book)
8. Some basic principles and techniques in Organic Chemistry

MATHEMATICS [35]

1. Sets
2. Relations and Functions
3. Trigonometric Functions
4. Complex numbers and Quadratic Equations (Exe. 4.1)
5. Linear Inequalities
6. Straight Lines
7. Permutation & Combination

BIOLOGY [36]

Unit I

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

Unit II

5. Morphology of Flowering plants
6. Anatomy of Flowering Plants
7. Structural Organization in Animals

Unit III

8. Cell: The Unit of Life
9. Biomolecules

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ELECTRONICS [40]

1. Chapter - 1 - Introduction to Electronics
2. Chapter - 2 - Principles of Electronics
3. Chapter - 4 - Passive Components - Resistors, Capacitors, Inductors, Transformers & Transducers – Pressure Transducer – Microphone & Loud Speaker.
4. Chapter - 8 – Digital Electronics upto De Morgan's Theorem & simplification of Boolean expression.

COMPUTER SCIENCE [41]

- Chapter 1: Computer System
- Chapter 2: Encoding Schemes and Number System
- Chapter 3: Emerging Trends
- Chapter 4: Problem Solving
- Chapter 5: Getting started with Python upto Data type - page number - 99 in the NCERT TEXT BOOK.

STATISTICS [31]

1. Chapter 1. Introduction to Statistics and some basic concepts.
2. Chapter 2. Organisation of data
3. Chapter 3. Classification and tabulation of data
4. Chapter 4. Diagrammatic and graphical representation of data
5. Chapter 5. Analysis of univariate data.
6. Chapter 7. Association of Attributes

HOME SCIENCE [67]

1. Chapter – 1 – Introduction - HEFS: Evolution of the Discipline and its Relevance to Quality of Life.

Unit 1 - Understanding Oneself: Adolescence

2. Chapter – 2 – Understanding Oneself: Adolescence
 - A] What makes me 'I'
 - B] Development and Characteristics of the self
 - C] Influences on IdentityHow do we develop a sense of self?

3. Chapter – 3 – Food, Nutrition, Health and Fitness

4. Chapter – 4 – Management of Resources

5. Chapter – 5 – Fabrics around Us

6. Chapter – 6 – Media and Communication Technology

Unit 2 - Understanding Family, Community and Society

7. Chapter – 7 - Concerns and Needs in diverse Contexts
 - A] Nutrition, Health and Hygiene
 - B] Resource Availability and Management
 - C] Textile Traditions in India

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