

MOUNT CARMEL PU COLLEGE
I PUC – SCIENCE
PORTIONS FOR MIDTERM EXAMINATION OCTOBER 2023 - 2024

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
5. Thermo Dynamics
8. Some basic principles and techniques

MATHEMATICS [35]

1. Sets
2. Relations and Functions
3. Trigonometric Functions
4. Complex numbers and Quadratic Equations
5. Linear Inequalities
6. Straight Lines
7. Conic Section

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 Organisation in Animals

Unit III

8. Cell : The Unit of Life
9. Biomolecules
10. Cell cycle and Cell Division

ELECTRONICS [40]

1. Chapter - 1 - Introduction to Electronics
2. Chapter - 2 - Principles of Electronics
3. Chapter - 3 - Passive Components - Resistor, Capacitor
4. Chapter - 6 – Semiconductor upto Rectifiers till page 220

COMPUTER SCIENCE[41]

1. Chapter - 1 - Overview of a Computer
2. Chapter - 2 - Input, Output and Memory Devices
3. Chapter - 3 - Data Representation
4. Chapter - 5 - Problem Solving Methodology
5. Chapter - 6 - Object Oriented Concepts
6. Chapter - 7- Introduction to C++
7. Chapter - 15 - Word Processing

HOME SCIENCE [67]

1. Concept and scope of Home Science
2. Resources
3. Fundamentals of Management
4. Management of Time, Energy & Money
5. Concept of Food & Nutrition
6. Basics of Nutrition
7. Principles & Methods of preparation of Food
8. Human Growth & Development
9. Biological Beginnings of Life

STATISTICS [31]

1. Introduction to Statistics and some basic concepts.
2. Organization of data.
3. Classification and tabulation of data.
4. Diagrammatic and graphical representation of data.
5. Analysis of Univariate data

Babette Saldanha
PRINCIPAL 19/08/2023

MOUNT CARMEL PU COLLEGE
No. 58, Palace Road,
BANGALORE - 560 052.