

# MOUNT CARMEL PU COLLEGE

## I PUC – SCIENCE

### PORTIONS FOR MID TERM EXAMINATION- OCTOBER-2022-2023

#### PHYSICS[33]

- Physical World
- Units and measurement
- Motion in a straight line
- Motion in a plane
- Laws of motion
- Work, energy and Power
- 7.Systems of particles and rotational motion

#### CHEMISTRY[34]


- Unit – 1 Some Basic Concepts of Chemistry
- Unit – 2 Structure of Atom
- Unit– 3 Classification of Elements & Periodicity In Properties
- Unit– 4 Chemical Bonding & Molecular Structure
- Unit– 5 States of Matter: Gases & Liquids
- Unit– 12 Organic Chemistry - Some Basic Principles & Techniques
- Unit– 13 Hydrocarbons (Except Aromatic Hydrocarbons)

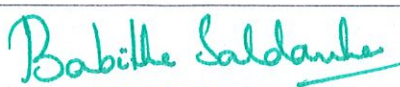
#### MATHEMATICS[35]

- Sets
- Relations and functions
- Trigonometry
- Mathematical induction
- Complex Numbers and Quadratic equations
- Binomial theorem
- Linear inequalities
- Permutations and Combinations

#### BIOLOGY[36]

- 1. Living world
- 2. Biological classification
- 3. Plant kingdom
- 4. Animal kingdom
- 5. Morphology of flowering plants.
- 6. Anatomy of flowering plants.
- 7. Structural organization in animals.
- 8. Cell - The unit of life.
- 9. Biomolecules
- 10. Cell cycle and cell division.
- 11. Transport in plants.

  
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#### COMPUTER SCIENCE[41]

- Chapter - 1 - Overview of computers
- Chapter – 2 - Input Output and memory devices
- Chapter – 3 - Data Representation
- Chapter – 4 - Software concepts
- Chapter – 5 - Problem solving methodology
- Chapter – 6 - Object Oriented concepts
- Chapter – 7 - Introduction to C++
- Chapter – 15 - Word processing

#### ELECTRONICS[40]


- Chapter – 1 - Introduction to Electronics.
- Chapter – 2 - Principles of Electricity, Network Theorems and ac principles.
- Chapter – 4 - Passive Electronic Components – Resistors, colour coding of carbonresistor, Capacitors
- Chapter – 6 - Semiconductors, Diodes and Applications of Diodes: till Rectifier, Clippers & Clampers


#### HOMESCIENCE[67]

- Concept of Home science
- Resources
- Fundamentals of Management
- Management of Time, Energy and Money
- 5. Concept of Food and Nutrition
- 6. Basics of Nutrition
- 7. Principles and Methods of preparation of food
- 8. Growth and development
- 9. Biological beginnings of life

#### STATISTICS[31]

- CHAPTER 1- Introduction to Statistics and some basic concepts
- CHAPTER 2- Organisation of Data
- CHAPTER 3- Classification and Tabulation of Data
- CHAPTER 4- Diagrammatic and Graphical representation of Data
- CHAPTER 5- Analysis of Univariate Data
  - Measures of central tendency
  - Measures of Position
  - Measure of Dispersion

  
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