

# MOUNT CARMEL PU COLLEGE

## I PUC – SCIENCE

### PORTIONS FOR FIRST COMPULSORY TEST- JULY-AUGUST-2022-2023

#### STATISTICS[31]

- CHAPTER 1- Introduction to Statistics and basic concepts
- CHAPTER 2- Organisation of Data
- CHAPTER 3- Classification and Tabulation of Data
- CHAPTER 4- Diagrammatic and Graphical representation of Data(till percentage bar diagram)

#### PHYSICS[33]

- Physical world
- Units and measurement
- Motion in a straight line
- Motion in a plane (till projectile motion)
- Laws of motion (till conservation of linear momentum)

#### CHEMISTRY[34]

- UNIT 1- Some basic concepts of Chemistry (Full)
- UNIT 12- Organic Chemistry- Some basic principles and techniques (upto methods of purification of organic compounds)

#### MATHEMATICS[35]

- Sets , Relations and Functions
- Trigonometry (Radian measure, Recap, Allied angles & Compound angles)
- Sequences and series (Only AP)

#### BIOLOGY[36]

- Biological Classification
- Plant kingdom till algae
- Living world
- Diversity in the living world
- Animal kingdom till phylum hemi chordata

### ELECTRONICS[40]


- CHAPTER 1 - Introduction to electronics  
Symbols  
Colour coding of Carbon Resistor 4Bands & 5 Bands
- CHAPTER 2 - Introduction principles of electricity, network theorems and ac principles (till Kirchoff's Laws Numericals)

### COMPUTER SCIENCE[41]

- Chapter 1 - Overview of computer
- Chapter 2 - Input, Output and Memory devices
- Chapter 3 - Problem Solving Methodology
- (Introduction to Problem Solving, Problem Definition, Problem Analysis, Design of a Solution, Algorithms)
- Chapter 4 - Spread sheets
- (Spread sheet applications (elementary level), Basics concepts of spread sheet and other features such as, entering text, menus, commands, column width, copy, paste, to insert rows/columns, formatting, formula, print, sort, filter and other basic operations.

### HOMESCIENCE[67]

- Concept and scope of Home Science
- Concept of Food and Nutrition
- Basics of Nutrition

  
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