

# MOUNT CARMEL PU COLLEGE

## II PUC – SCIENCE

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

#### PHYSICS[33]

- Electric charges and fields
- Electric potential and capacitance (till electric potential energy)
- Current electricity
- Moving charges and magnetism (till magnetic field due to current carrying circular coil)

#### CHEMISTRY[34]

- UNIT 1- Solid state
- UNIT 2- Solutions
- UNIT 8- d & f block elements ( only d block elements)
- UNIT 10- Haloalkanes & Haloarenes (upto nucleophilic substitution reactions)

#### MATHEMATICS[35]

- Relations and Functions
- Matrices (upto symmetric and skew symmetric matrix)
- Inverse trigonometric functions
- Continuity
- Differentiation (Chain rule, Implicit functions, Inverse trigonometric functions & logarithmic functions)

#### BIOLOGY[36]

- Reproduction in organisms
- Sexual reproduction in plants till outbreeding techniques
- Human reproduction

#### ELECTRONICS[40]


- CHAPTER 2 - Bipolar Junction Transistor (BJT) Biasing
- CHAPTER 10 - Digital Electronics (upto Karnaugh's Map Numericals)

#### COMPUTER SCIENCE[41]

- CHAPTER 1 - Typical configuration of Computer system
- CHAPTER 5 – Review of C ++ covered in First PUC
- CHAPTER 6 - OOP concepts
- CHAPTER 7 - Classes and objects
- CHAPTER 8 – Function Overloading

**HOME SCIENCE[67]**

- Savings
- Fundamentals of interior decoration
- Consumer education

  
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