

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

PHYSICS [33]

1. Electric Charges and Fields
2. Electric potential and capacitance
3. Current Electricity
4. Moving charges and Magnetism
5. Magnetism and Matter
6. Electromagnetic Induction
7. Alternating Current
8. Electromagnetic Waves

CHEMISTRY [34]

1. Solutions
2. d and f - block elements
3. Halo alkanes and Haloarenes
4. Electro Chemistry.
5. Alcohols, Phenols and Ethers
6. Co-ordination compounds

MATHEMATICS [35]

1. Relations and Functions
2. Inverse trigonometric functions
3. Matrices
4. Determinants
5. Continuity and Differentiability
6. Applications of Derivatives
7. Vectors Algebra
8. Three Dimensional Geometry (only lines)
9. Linear Programming Problem

STATISTICS [31]

1. Vital Statistics
2. Index Numbers
3. Time Series Analysis
4. Interpolation and Extrapolation
5. Theoretical Distributions

BIOLOGY [36]

Unit VI

1. Sexual reproduction in flowering plants
2. Human reproduction
3. Reproductive Health

Unit VII

4. Principles of Inheritance & Variation
5. Molecular basis of Inheritance
6. Evolution

Unit VIII

7. Human Health & Diseases (Upto Immune System in the body 7.2.7)

ELECTRONICS [40]

1. Field Effect Transistor (FET)
2. Bipolar Junction Transistor (BJT) Biasing
3. Transistor Amplifiers
4. Feedback in Amplifiers
5. Operational Amplifiers (Op-Amp)
10. Digital Electronics

COMPUTER SCIENCE [41]

1. Typical configuration of Computer system
2. Boolean algebra
3. Logic gates
4. Data structure
5. Review of C++
6. Basic concepts of OOP
7. Classes and objects
8. Function Overloading
9. Constructors and Destructors

HOME SCIENCE [67]

1. Savings
2. Fundamentals of Interior Decoration
3. Consumer Education
4. Meal planning
5. Food Storage
6. Community Nutrition
7. Childhood years
8. Adolescence
9. Adulthood.

Babitha Saldanha
PRINCIPAL · 19/09/2023
MOUNT CARMEL PU COLLEGE
No. 58, Palace Road,
BANGALORE - 560 052.