

MOUNTCARMELPUCOLLEGE
I PUC – SCIENCE
PORTIONS FOR SECOND COMPULSORY TEST
DECEMBER 2025

PHYSICS [33]

Chapter – 8 - Mechanical properties of Solids
Chapter – 9 - Mechanical properties of Fluids
Chapter – 10 - Thermal properties of Matter
Chapter – 11 - Thermodynamics

CHEMISTRY [34]

Unit 4 - chemical bonding - molecular orbital theory, hydrogen bond
Unit 5 - Thermodynamics- Gibb's free energy and spontaneity
Units 6 - Chemical Equilibrium
Units 7 - Redox Reactions
Units 9 – Hydrocarbons

MATHEMATICS [35]

Limits and Derivatives
Binomial Theorem
Sequences and series
Introduction to 3-Dimensional Geometry
Conic Section

BIOLOGY [36]

Chapter - Unit IV
10. Cell cycle & Cell Division
11. Photosynthesis in Higher Plants
12. Respiration in Plants
13. Plant Growth and Development
Chapter - Unit V
14. Breathing & Exchange of gases

ELECTRONICS [40]

Chapter - 6 - Semiconductors, Diodes and Applications of Diodes: Rectifier, Filters, Zener Diode, Voltage Regulators Design of Practical regulated power supplies, Special Diodes, LED, Seven Segment Display
Chapter - 7- Bipolar Junction Transistor (BJT)
Chapter – 8 – Introduction to Digital Electronics - Gates


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COMPUTERSCIENCE [41]

- Chapter - 5: Getting started with Python (From 5.8 Operators to end of the Chapter)
- Chapter - 6: Flow of control
- Chapter - 7: Functions

STATISTICS [31]

- Chapter 6 - Analysis of Bivariate data
- Chapter 8 - Interpolation and Extrapolation
- Chapter 9 - Theory of Probability

HOME SCIENCE [67]

- Chapter - 8 - Nutrition, Health and Well - being
- Chapter – 9 - Our Apparel
- Chapter - 10 - Financial Management and Planning

ENGLISH [02]

- Text Book - 9. The Farmer's Wife.
- 10. Frederick Douglass.
- 11. An Old Woman.
- 12. Two Gentlemen of Verona
- Work Book- Comprehension Passage, Reference Skills, Letter Writing, Language Functions

Babille Saldanha
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