

MOUNT CARMEL PU COLLEGE

PORTIONS FOR FIRST COMPULSORY TEST AUGUST 2024

PHYSICS (33)

Chapters - 1. Electric Charges and Fields.

2. Electric potential and capacitance.

3. Current electricity.

4. Moving charges and Magnetism. (Upto the derivation of magnetic field at a point along the axis of a circular current loop Biot-Sarvat's law)

CHEMISTRY (34)

Units - 1. Solutions.

4. d and f - block elements.

6. Halo alkanes and Haloarenes.

MATHEMATICS (35)

Chapters - 1. Relations and Functions.

2. Inverse trigonometric functions.

3. Matrices.

4. Determinants.

5. Continuity and Differentiability

BIOLOGY (36)

Chapters - Unit VI : 1. Sexual reproduction in flowering plants.

2. Human reproduction.

3. Reproductive Health.

Unit VII : 4. Principles of Inheritance & Variation. (upto Pleiotropy 4.5)

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ELECTRONICS (40)

- Chapters - 1. Field Effect Transistor (FET),
2. Bipolar Junction Transistor (BJT) Biasing
, 3. Transistor Amplifiers,
10. Digital Electronics.

HOME SCIENCE (67)

- Chapters - 1. Savings.
2. Fundamentals of Interior Decoration.
3. Consumer Education.
4. Meal planning.

STATISTICS (31)

- Chapter 1 - Vital Statistics Chapter
2 - Index Numbers.
Chapter 3 - Time Series Analysis.

COMPUTER SCIENCE (41)

- Chapters - 1. Typical Configuration.
2. Boolean Algebra.
3. Logic Gates.
4. Data Structures [Upto Arrays].
5. *Review of C++*.
6. OOP Concepts

ENGLISH (02)

- Text Book - 1. Romeo and Juliet
2. Too Dear!
3. On Children
4. Everything I Need To Know I Learned In The Forest

Workbook - Comprehension Passage, Pronouns, Passive Voice, Idioms and Phrases, Expressions,
Dialogue writing.

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