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BENGALURU – 560 052

I PUC – SCIENCE
PORTIONS FOR SECOND COMPULSORY TEST
DECEMBER 2024-2025

PHYSICS[33]

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

CHEMISTRY[34]

- Units – 6 - Chemical Equilibrium
- Units – 8 – Hydrocarbons
- Units – 9 - Redox Reactions

MATHEMATICS[35]

- Chapters – 9- Limits and Derivatives
- Chapters – 10 - Permutations and Combinations
- Chapters – 11 - Binomial Theorem
- Chapters – 12 - Sequences and series
- Chapters – 13 - Introduction to 3-Dimensional Geometry

BIOLOGY[36]

Chapters - Unit IV

- 11. Photosynthesis in Higher Plants
- 12. Respiration in Plants
- 13. Plant Growth and Development

Chapters - Unit V

- 14. Breathing & Exchange of gases.

ELECTRONICS[40]

- Chapters - 4B - Passive Electronic Components, Inductors, Transformers Transducers
- Chapter - 6B - Semiconductors, Diodes and Applications of Diodes: Filters, Zener Diode, Voltage Regulators Design of Practical regulated power supplies, Special Diodes, LED, Seven Segment Display
- Chapter - 8A- Introduction to Digital Electronics: Introduction, Number System, Boolean Algebra

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COMPUTERSCIENCE[41]

- **Chapter - 5:** Getting started with Python -Constants, variables, types of operators, precedence of operators, data types, mutable and immutable data types, statements, expressions, evaluation and comments, input and output statements, data type conversion, debugging.
- **Chapter 6 Flow of control-** Control structures: Sequence,selection (decision) and repetition (iteration), Selection: if, if-else, and nested if statement, indentation, Repetition: for, while, and nested loops, break, continue.
- **Chapter 7: Functions -** Introduction to functions, need offunctions. User defined functions: passing arguments to a function, returning values from functions, scope of variables.

STATISTICS[31]

- Chapter - 6 - Analysis of Bivariate data
- Chapter - 7 - Association of Attributes.
- Chapter - 8 - Interpolation and Extrapolation

HOME SCIENCE[67]

- Chapter - 08 Nutrition, Health and well-being
- Chapter - 09 Our apparel
- Chapter - 10Financial 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

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