

Board of Technical Education, Rajasthan

RPET Pharmacy Exam Pattern

- All the questions are of MCQ'S
- RPET 2020 includes 120 questions
- Each section contains 40 questions i.e., the overall exam paper will of four sections
- Contenders need to complete the test in 120 minutes
- No mark will be reduced for the wrong answer
- Sections included in the RPET 2020 are Physics, Chemistry, and Biology/ Maths

RPET Exam Pattern Highlights

Mode of exam	Offline or Pen and Paper Based
Format of exam	Objective Type questions
Duration of exam	3 hours
Total number of questions	120
Subjects	Physics, Mathematics/ Biology, Chemistry
Question from each section	40
Language of exam	Available in both English and Hindi
Marking Scheme	+1 for each correct answer, No negative marking for wrong answer

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RPET Pharmacy Syllabus

Physics

- Rotational Motion
- Gravitation
- Properties of Solids and Liquids
- Thermodynamics
- Work, Energy, and Power
- Current Electricity
- Magnetic Effects of Current and Magnetism
- Kinetic Theory of Gases
- Oscillations and Waves
- Electrostatics
- Physics and Measurement
- Kinematics
- Laws of Motion
- Electromagnetic Waves
- Optics
- Dual Nature of Matter and Radiation
- Atoms and Nuclei
- Electronic Devices
- Communication Systems
- Electromagnetic Induction and Alternating Currents

Chemistry

- Basic Concepts in Chemistry
- Equilibrium
- Redox Reactions and Electrochemistry
- Chemical Kinetics
- Surface Chemistry
- Classification of Elements and Periodicity in Properties
- <https://www.freshersnow.com/syllabus/>
- General Principle and Processes of Isolation of Metals
- Hydrogen

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- Chemical Thermodynamics
- Solutions
- P – Block Elements
- d – and f – Block Elements
- Co-ordination Compounds
- Environmental Chemistry
- Purification and Characterization of Organic Compounds
- Basic Principles of Organic Chemistry
- Hydrocarbons
- Organic Compounds Containing Halogens
- Organic Compounds Containing Oxygen
- Alcohols, Phenols, and Ethers
- Organic Compounds Containing Nitrogen
- Polymers
- Biomolecules
- Chemistry in Everyday Life
- Principles Related to Practical Chemistry
- S – Block Elements (Alkali and Alkaline Earth Metals)
- States of Matter
- Atomic Structure
- Chemical Bonding and Molecular Structure

Biology

- Molecular Basis of Inheritance
- Reproduction in Organisms
- Human Reproduction
- Sexual Reproduction in Flowering Plants
- Reproductive Health
- The principle of Inheritance and Variation
- Strategies for enhancement in Food Production
- Evolution
- Human Health and Disease

Mathematics

- Analytical geometry
- Applications of Matrices and Determinants

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- Differential Calculus – Applications I
- Discrete Mathematics
- Differential Equations
- Complex Numbers
- Integral Calculus & its Applications
- Differential Calculus – Applications II
- Probability Distributions
- Vector Algebra