



Office of the Controller of Examinations & Admissions  
**University of Science & Technology, Meghalaya**

**Syllabus for B.Pharm & D.Pharm Entrance Examination -2021**  
**(10+2 standard of CBSE/Indian State Boards)**

Type of Exam: MCQ  
Mode of Exam: Online  
Duration: 1 Hr 30 Mins  
Maximum Marks: 100

**PART A:**

**Physics** :Units and Measurement, Motion in a Straight line, Law of motion, Work, Power and Energy, Gravitation, Oscillation, Fluid Mechanics, Heat and Thermodynamics, Wave Motion, Optics, Magnetism, Electrostatics and Current Electricity, Chemical Effect of Electric Current and its Applications, Atomic Structure, Modern Physics.

**Chemistry**: Some Basic Concepts of Chemistry, Structure of Atom, Classification of Elements and Periodicity in Properties, Chemical Bonding and Molecular Structure, States of Matter: Gases and Liquids, General Principles and Processes of Isolation of Elements Thermodynamics, Solutions, Electrochemistry , Chemical Kinetics, Surface Chemistry , Equilibrium, Redox Reactions, Aldehydes, Ketones and Carboxylic Acids, Chemistry in Everyday Life, Environmental Chemistry

**PART B**

**Students are to be appeared either Biology or Mathematics**

**Biology**: Diversity in Living World, Structural Organization in Animals and Plants, Cell Structure and Function, Plant Physiology, Human Physiology, Reproduction, Genetics and Evolution, Biology and Human Welfare, Biotechnology and Its Applications, Ecology and Environment.

**Mathematics** : Sets, Relation and Function, Trigonometric Functions, Principle of Mathematical Induction, Complex Number and Quadratic Equation, Linear Inequality.