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Centurion University Entrance Exam Pattern

For B. Tech (Regular)

Name of the Subject	No of Questions/ Marks	Total Time
Mathematics	60 Questions/ 60 Marks	3 hours (180 minutes)
Chemistry	60 Questions/ 60 Marks	
Physics	60 Questions/ 60 Marks	
Total Questions/ Marks	**180 Questions/ 180 Marks**	

For B. Tech (L.E)

Name of the Subject	No of Questions/ Marks	Total Time
Mathematics	100 Questions/ 100 Marks	3 hours (180 minutes)
BEE	100 Questions/ 100 Marks	
Mechanics	100 Questions/ 100 Marks	
Total Questions/ Marks	**300 Questions/ 300 Marks**	

For B. Sc Agriculture

Name of the Subject	No of Questions/ Marks	Total Time
Biology	60 Questions/ 60 Marks	3 hours (180 minutes)

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Chemistry	60 Questions/ 60 Marks	
Physics	60 Questions/ 60 Marks	
Total Questions/ Marks	**180 Questions/ 180 Marks**	

CUEE Syllabus

Physics

- Gravitation
- Properties of Bulk Matter
- Work, Energy & Power
- The motion of the System of particles & Rigid Body
- Practical Oriented questions
- Thermodynamics
- The behavior of Perfect Gas & Kinetic Theory of gases
- Oscillations & Waves
- Physical World & Measurement
- Kinematics
- Laws of Motion

Chemistry

- Redox Reactions
- Hydrogen
- S-Block Elements
- Some p-Block Elements
- Organic Chemistry: Some basic Principles and Techniques
- Hydrocarbons
- Environmental Chemistry
- Some Basic Concepts of Chemistry
- Structure of Atom
- Classification of Elements and Periodicity in Properties
- Chemical Bonding and Molecular Structure

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- States of Matter: Gases and Liquids
- Thermodynamics
- Equilibrium
- Practical Oriented Questions

Mathematics

- Binomial Theorem
- Sequence and Series
- Conic Section
- Introduction to Three-Dimensional Geometry
- Principle of Mathematical Induction
- Complex Numbers and Quadratic Equations
- Linear Inequalities
- Permutations and Combinations
- Straight Lines
- Limits and Derivatives
- Matrices
- Determinants
- Continuity and Differentiability
- Applications of Derivatives
- Integrals
- Applications of the Integrals
- Differential Equations
- Vectors
- Three Dimensional Geometry
- Probability
- Definition of proposition and problems, Logical connectives, compound proposition,
- problems, Quantifiers, negation, consequences of implication-contrapositive and
- https://exams.freshersnow.com/ converse, problems, proving a statement by the method of contradiction by giving the
- counterexample
- Statistics
- Probability
- Relations and Functions
- Inverse Trigonometric Functions

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Biology

- Diversity in the living world
- Reproduction
- Cell structure and function
- Genetics and evolution
- Plant physiology
- Biology in human welfare
- Human physiology
- Biotechnology and ecology
- Mixtures and Allegations
- Boats and Streams
- Simple Equations
- Quadratic Equations
- Indices and Surds
- Mensuration
- Percentages
- Permutations and Combinations
- Simplification and Approximation