

# REVA EET Syllabus

## REVA EET Physics Syllabus

- Physical World and Measurement Electrostatics
- Kinematics
- Current Electricity
- Laws of Motion
- Magnetic Effects of Current and Magnetism
- Work, Energy, and Power
- Electromagnetic Induction and Alternating Currents
- The motion of System of Particles and Rigid Body
- Electromagnetic Waves
- Gravitation
- Optics
- Properties of Bulk Matter
- Dual Nature of Matter and Radiation
- Thermodynamics
- Atoms and Nuclei
- The behavior of Perfect Gas and Kinetic Theory Electronic Devices
- Oscillations and Waves

## REVA EET Chemistry Syllabus

- Some Basic Concepts of Chemistry
- Solutions
- Structure of Atom
- Electrochemistry
- Classification of Elements and Periodicity in Properties

- Chemical Kinetics
- Chemical Bonding and Molecular Structure
- Surface Chemistry
- States of Matter: Gases and Liquids
- p-Block Elements
- Thermodynamics General Principles and Processes of Isolation of Elements
- d and f Block Element
- Equilibrium
- Coordination Compounds
- Redox Reactions
- Haloalkanes and Haloarenes
- Hydrogen
- Alcohols, Phenols, and Ethers
- s-Block Element (Alkali and Alkaline earth metals)
- Aldehydes, Ketones and Carboxylic Acids
- Some p- Block Elements
- Organic Compounds Containing Nitrogen
- Organic Chemistry-Some Basic Principles and Techniques
- Biomolecules
- Hydrocarbons
- Polymers
- Environmental Chemistry
- Chemistry in Everyday Life

## REVA EET Mathematics Syllabus

- Statistics and probability
- Differential equations
- Sequences and series

- Trigonometry
- Mathematical induction
- Sets, relations, and functions
- Vector algebra
- Binomial theorem and its simple applications
- Limit, continuity, and differentiability
- Mathematical reasoning
- Co-ordinate geometry
- Permutations and combinations
- Three-dimensional geometry
- Integral calculus
- Complex numbers and quadratic equations
- Matrices and determinants

## Verbal Ability

- Antonyms
- Active and Passive Voice
- Substitution
- Sentence Improvement
- Synonyms
- Spelling Test
- Substitution
- Passage Completion
- Idioms and Phrases
- Sentence
- Completion
- Error Correction (Underlined Part)
- Transformation
- Prepositions

- Sentence Arrangement
- Fill in the blanks
- Spotting Errors
- Para Completion
- Joining Sentences
- Error Correction (Phrase in Bold)

## Reasoning

### **Verbal reasoning**

- Analogy
- Series Completion
- Verification of truth of the Statement
- Situation Reaction Test
- Direction Sense Test
- Classification
- Data Sufficiency
- Alpha- Numeric Sequence Puzzle
- Puzzle Test
- Blood Relations
- Coding- Decoding
- Assertion and Reasoning
- Arithmetical Reasoning
- Operations of Mathematics
- Venn Diagrams
- Word Sequence
- Missing Characters
- Sequential Output training
- Directions

- Test on Alphabets
- Eligibility Test

## **Non-Verbal Reasoning**

- Dot Situation
- Identical figure groupings
- Forming figures and analysis
- Construction of Squares and Triangles
- Series
- Analytical Reasoning
- Paper Folding
- Paper Cutting
- Cubes and Dice
- Water Images
- Mirror Images
- Figure Matrix
- Completion Incomplete Pattern
- Spotting embedded figures
- Classification
- Rules Detection