

Syllabus for UNSAT 2023

Class 9

Physics

- Motion
- Force and Laws of Motion
- Gravitation

Chemistry

- Matter in Our Surroundings
- Is Matter Around Us Pure?
- Atoms and Molecules

Biology

- The Fundamental Unit of Life
- Tissues

Mathematics

- Number Systems
- Polynomials
- Co-ordinate Geometry
- Lines and Angles
- Triangles
- Linear Equations in Two Variables

Mental Ability

- Verbal and Non-Verbal Reasoning: Series, Analogy, Classification
- Coding and Decoding
- General Logical Reasoning and Analytical Reasoning
- Figure Matrix
- Problems Based on Figures

Exam Pattern

Pattern of Questions

- Total Questions: 40
- Total Subjects: 5

Marking Scheme

- Correct Answer: +4
- Incorrect Answer: No negative marking
- Unattempted: 0

Question Distribution

- Physics: 8
- Chemistry: 8
- Biology: 8
- Mathematics: 8
- Mental Ability: 8

Medium and Exam Duration

- Medium: English
- Duration : 1 Hour

Syllabus for UNSAT 2023

Class 10

Physics

- Light - Reflection and Refraction
- Human Eye and Colourful World
- Electricity

Chemistry

- Chemical Reactions and Equations
- Acids, Bases and Salts
- Metals and Non-Metals

Biology

- Life Processes
- Control and Coordination
- How do Organisms Reproduce?

Mathematics

- Quadratic Equations
- Arithmetic Progressions
- Co-ordinate Geometry
- Triangles
- Introduction to Trigonometry
- Some Applications of Trigonometry
- Real Numbers | Polynomials | Pair of Linear Equations in Two Variables

Mental Ability

- Verbal and Non-Verbal Reasoning: Series, Analogy, Classification
- Coding and Decoding
- General Logical and Analytical Reasoning
- Problems Based on Figures
- Data Interpretation

Exam Pattern

Pattern of Questions

- Total Questions: 40
- Total Subjects: 5

Marking Scheme

- Correct Answer: +4
- Incorrect Answer: No negative marking
- Unattempted: 0

Question Distribution

- Physics: 8
- Chemistry: 8
- Biology: 8
- Mathematics: 8
- Mental Ability: 8

Medium and Exam Duration

- Medium: English
- Duration : 1 Hour

Syllabus for UNSAT 2023

Class 11 (NEET UG)

Physics

- Units and Measurements
- Motion in a Straight Line
- Motion in a Plane
- Laws of Motion
- Work, Energy and Power
- System of Particles and Rotational Motion

Chemistry

- Some Basic Concepts of Chemistry
- Structure of Atom
- Classification of Elements and Periodicity in Properties
- Chemical Bonding and Molecular Structure
- Thermodynamics

Botany

- Cell: The Unit of Life
- Cell Cycle and Cell Division
- The Living World
- Biological Classification
- Morphology of Flowering Plants

Zoology

- Biomolecules
- Breathing and Exchange of Gases
- Body Fluids and Circulation
- Excretory Products and Their Elimination
- Locomotion and Movement

Exam Pattern

Pattern of Questions

- Total Questions: 40
- Total Subjects: 4

Marking Scheme

- Correct Answer: +4
- Incorrect Answer: No negative marking
- Unattempted: 0

Question Distribution

- Physics: 10
- Chemistry: 10
- Botany: 10
- Zoology: 10

Medium and Exam Duration

- Medium: English
- Duration : 1 Hour

Syllabus for UNSAT 2023

Class 11 (IIT JEE)

Physics

- Units and Measurements
- Motion in a Straight Line
- Motion in a Plane
- Laws of Motion
- Work, Energy and Power
- System of Particles and Rotational Motion

Chemistry

- Some Basic Concepts of Chemistry
- Structure of Atom
- Classification of Elements and Periodicity in Properties
- Chemical Bonding and Molecular Structure
- Thermodynamics

Mathematics

- Sets
- Trigonometric Functions
- Complex Numbers and Quadratic Equations
- Linear Inequalities
- Permutations and Combinations
- Sequences and Series

Exam Pattern

Pattern of Questions

- Total Questions: 30
- Total Subjects: 3

Marking Scheme

- Correct Answer: +4
- Incorrect Answer: No negative marking
- Unattempted: 0

Question Distribution

- Physics: 10
- Chemistry: 10
- Mathematics: 10

Medium and Exam Duration

- Medium: English
- Duration : 1 Hour

Syllabus for UNSAT 2023

Class 12 and Repeaters (NEET UG)

Physics

- Electric Charges and Field
- Electrostatics Potential and Capacitance
- Current Electricity
- Moving Charges and Magnetism
- Magnetism and Matter
- Electromagnetic Induction
- Alternating Current

Chemistry

- Solutions
- Electrochemistry
- Chemical Kinetics
- The d- & f-Block Elements
- Coordination Compounds

Botany

- Sexual Reproduction in Flowering Plants
- Principles of Inheritance and Variation
- Molecular Basis of Inheritance
- Microbes in Human Welfare

Zoology

- Human Reproduction
- Reproductive Health | Human Health and Disease
- Biotechnology: Principles and Processes
- Biotechnology and it's Applications

Exam Pattern

Pattern of Questions

- Total Questions: 40
- Total Subjects: 4

Marking Scheme

- Correct Answer: +4
- Incorrect Answer: No negative marking
- Unattempted: 0

Question Distribution

- Physics: 10
- Chemistry: 10
- Botany: 10
- Zoology: 10

Medium and Exam Duration

- Medium: English
- Duration : 1 Hour

Syllabus for UNSAT 2023

Class 12 and Repeaters (IIT JEE)

Physics

- Electric Charges and Field
- Electrostatics Potential and Capacitance
- Current Electricity
- Moving Charges and Magnetism

Chemistry

- Solutions
- Electrochemistry
- Chemical Kinetics
- The d- & f-Block Elements
- Coordination Compounds

Mathematics

- Inverse Trigonometric Functions
- Matrices
- Determinants
- Continuity and Differentiability
- Application of Derivatives
- Integrals
- Applications of Integrals

Exam Pattern

Pattern of Questions

- Total Questions: 30
- Total Subjects: 3

Marking Scheme

- Correct Answer: +4
- Incorrect Answer: No negative marking
- Unattempted: 0

Question Distribution

- Physics: 10
- Chemistry: 10
- Mathematics: 10

Medium and Exam Duration

- Medium: English
- Duration : 1 Hour