**BEDI INTERNATIONAL SCHOOL BAREILLY**

**SPLIT UP CURRICULUM FOR CLASS - XI SCIENCE (2023-2024)**

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| --- | --- | --- | --- | --- |
| ***SUBJECT*** | ***I UNIT TEST (August 2023)*** | ***ITERM EXAM (October 2023)*** | ***UNIT TEST- II(December 2023)*** | ***II TERM EXAM (March 2024)*** |
| ***E******N******G******L******I******S******H*** | **Section – A (Reading)** * Passage for comprehension
* Passage for note making

**Section – B (Writing)*** Advertisement

**Section – C (Grammar)*** Tenses

**Section – D (Literature)****Hornbill -*** **Prose:** Ch-1 The Portrait of a Lady
* **Poetry:**  Ch-1 A Photograph

**Snapshots -*** **Prose:**  Ch-1 The Summer of the Beautiful White Horse
 | **Section – A (Reading)** * Passage for comprehension
* Passage for note making

**Section – B (Writing)*** Poster Making
* Debate
* Speech

**Section – C (Grammar)*** Clauses
* Tenses
* Reordering & transformation of sentences

**Section – D (Literature)****Hornbill -****Prose*** Ch-1 The Portrait of a Lady
* Ch-2 We’re not Afraid to Die- If We can all be Together?
* Ch-3 Discovering Tut- The Saga Continues

**Poetry:** * Ch-1 A Photograph
* Ch-4 The Voice of the Rain

**Snapshots -*** Ch-1 The Summer of the Beautiful White Horse
* Ch-2 The Address
 | **Section – A (Reading)** * Passage for comprehension
* Passage for note making

**Section – B (Writing)*** Debate
* Advertisement

**Section – C (Grammar)*** Clauses
* Tenses
* Reordering & transformation of sentences

**Section – D (Literature)****Hornbill -****Prose** * Ch-7 The Adventure
* Ch-8 Silk Road

**Poetry** * Ch-6 Childhood
* Ch-3 The Laburnum Top

**Snapshots -*** **Prose: B**  Ch-5 Mother’s Day
 | **Section – A (Reading)** * Passage for comprehension
* Passage for note making

**Section – B (Writing)*** Debate
* Speech Writing
* Poster Making
* Advertisement

**Section – C (Grammar)*** Clauses
* Tenses
* Reordering & transformation of sentences

**Section – D (Literature) Hornbill** **Prose:*** Ch-1 The portrait of a lady
* Ch-2 We’re not afraid to die
* Ch-3 Discovering Tut- The Saga Continues
* Ch-7 The Adventure
* Ch-8 Silk Road

**Poetry:*** Ch-1 A Photograph
* Ch-3 The Laburnum Top
* Ch-4 The Voice of the Rain
* Ch-6 Childhood
* Ch-8 Father to Son

**Snapshots -** **Prose:**  Ch-1 The Summer of the Beautiful White Horse * Ch-2 The Address
* Ch-5 Mother’s Day
* Ch-7 Birth
* Ch-8The Tale of the Melon City
 |
| ***P H Y S I C S*** | **UNIT 1** **Physical World and measurement*** Ch-2 Unit & measurements

**UNIT 2** **Kinematics** * Ch-3. Motion in a straight line
* Ch - 4. Motion in a plane
 | **UNIT 1** **Physical World and measurement*** Ch-2 Unit & measurements

**UNIT 2** **Kinematics** * Ch -3. Motion in a straight line
* Ch - 4. Motion in a plane

**UNIT 3 Laws of motion*** Ch - 5 Laws of Motion

**UNIT 4 Work, Energy and Power** * Ch - 6. Work, Energy and Power

**UNIT 5 Motion of system of particles & Rational motion** * Ch - 7 System of particles & Rational motion

**Practical Assessment :** 1. To measure diameter of a small spherical/cylindrical body and to measure internal diameter and depth of a given beaker/calorimeter using Vernier Callipers and hence find its volume.  | **UNIT 6 Gravitation*** Ch -8 Gravitation. Ray optics

**UNIT 7 Properties of Bulk Matter*** Ch - 9 Mechanical Properties of solids
* Ch – 11 Thermal properties of matter

**Practical Assessment :** 1. To measure diameter of a given wire and thickness of a given sheet using screw gauge. | **UNIT 1 Physical World and measurement*** Ch-2 Unit of measurements

**UNIT 2** **Kinematics** * Ch-3. Motion in a straight line
* Ch - 4. Motion in a plane

**UNIT 3 Laws of motion*** Ch - 5 Laws of Motion

**UNIT 4 Work, Energy and Power** * Ch - 6 Work, Energy and Power

**UNIT 5 Motion of system of particles & Rational motion** Ch - 7 System of particles & Rational motion**UNIT 6 Gravitation*** Ch - 8. Gravitation

**UNIT 7 Properties of Bulk Matter*** Ch - 9 Mechanical Properties of solids
* Ch 10 Mechanical properties of fluids
* Ch – 11 Thermal properties of matter

**UNIT 8 Thermodynamics*** Ch - 12 Thermodynamics

**UNIT 9**  **Kinetic theory of Gases** * Ch-13 Behaviour of perfect gases & Kinetic theory of Gases

**UNIT 10 Oscillation & Waves*** Ch – 14 Oscillations
* Ch – 15 Waves

**Practical Assessment :** 1. To measure diameter of a small spherical/cylindrical body and to measure internal diameter and depth of a given beaker using Vernier Callipers and hence find its volume. 2. To measure diameter of a given wire and thickness of a given sheet using screw gauge. |
| **B I O L O G Y**  | * Ch - 1. The Living World
* Ch -2. Biological Classification
* Ch -3. Plant Kingdom
* Ch -4. Animals Kingdom
 | * Ch - 1. The Living World
* Ch -2. Biological Classification
* Ch -3. Plant Kingdom
* Ch -4. Animals Kingdom
* Ch - 5. Morphology of Flowering Plants
* Ch - 6. Anatomy of Flowering Plants
* Ch - 7. Structural Organization in Animals
* Ch - 8. Cell: The unit of life
* Ch - 9. Biomolecules
* Ch - 10. Cell cycle & cell division
 | * Ch - 13. Photosynthesis in higher plants
* Ch - 14. Respiration in plants
* Ch -15. Plant Growth & Development
 | * Ch - 1. The Living World
* Ch -2. Biological Classification
* Ch -3. Plant Kingdom
* Ch -4. Animals Kingdom
* Ch - 5. Morphology of Flowering Plants
* Ch - 6. Anatomy of Flowering Plants
* Ch - 7. Structural Organization in Animals
* Ch - 8. Cell: The unit of life
* Ch - 9. Biomolecules
* Ch - 10. Cell cycle & cell division
* Ch - 13. Photosynthesis in higher plants
* Ch - 14. Respiration in plants
* Ch -15. Plant Growth & Development
* Ch - 17. Breathing & exchange of gases
* Ch - 18. Body fluids & circulation
* Ch - 19. Excretory Products & their limitations
* Ch - 20. Locomotion & movement
* Ch - 21. Neural control & coordination
* Ch - 22. Chemical coordinates & Integrations
 |
| ***C O*** ***M P.******S C I E N C E*** | * Ch-4 Introduction to Problem Solving
* Ch-5 Getting started with Python
* Ch-6 Python Fundamentals
 | * Ch-1: Computer System Overview
* Ch-2: Data Representation
* Ch-3: Boolean Logic
* Ch-4 Introduction to Problem Solving
* Ch-5 Getting started with Python
* Ch-6 Python Fundamentals
* Ch-7 Data Handling
* Ch-8 Flow of Control
 | * Ch-9 String Manipulation
* Ch-14 Cyber Safety
 | * Ch-1: Computer System Overview
* Ch-2: Data Representation
* Ch-3: Boolean Logic
* Ch-4 Introduction to Problem Solving
* Ch-5 Getting started with Python
* Ch-6 Python Fundamentals
* Ch-7 Data Handling
* Ch-8 Flow of Control
* Ch-9 String manipulation
* Ch-10 List manipulation
* Ch-11 Tuples
* Ch-12 Dictionaries
* Ch-13 Understanding Sorting
* Ch-14 Cyber safety
* Ch-15 Online access and computer security
* Ch-16 Society, law and ethics
 |
| **C H E M I S T R Y**  | * Ch-1 Some Basic Concepts of chemistry.
* Ch-2 Structure of Atom
* Ch-3 Classifications of elements and periodicity in properties
 | * Ch-1 Some Basic Concepts of chemistry
* Ch-2 Structure of Atom
* Ch-3 Classifications of elements and periodicity in properties
* Ch-4 Chemical Bonding & molecular structure
* Ch-5 Chemical Thermodynamics
 | * Ch-6 Equilibrium
* Ch-7 Redox Reactions
 | * Ch-1 Some Basic Concepts of chemistry
* Ch-2 Structure of Atom
* Ch-3 Classifications of elements and periodicity in properties
* Ch-4 Chemical Bonding & molecular structure
* Ch-5 Chemical Thermodynamics
* Ch-6 Equilibrium
* Ch-7 Redox Reactions
* Ch-8 Organic chemistry: some basic principles & techniques
* Ch-9 Hydrocarbon
 |
| **M A T H S** | * Ch – 13 Complex Number
* Ch – 14 Quadratic Equation
* Ch – 15 Linear Equation
 | * Ch – 1Set
* Ch – 2 Relations
* Ch – 3 Function
* Ch – 4 Trigonometric (4, 5, 7, 8, 9)
* Ch – 13 Complex Number
* Ch – 14 Quadratic Equation

Ch – 15 Linear Equation | * Ch – 1 Set
* Ch – 2 Relations
* Ch – 3 Function
 | **Unit – 1 Set & Functions*** 1. Sets
* 2.Relation & Function
* 3.Trigonometric Function

**Unit – 2 Algebra** * 1. Complex Number & quadratic Equation
* 2. Linear equation
* 3. Permutation
* 4. Combination
* 5. Binomial Theorem
* 6. Arithmetic progression
* 7. Geometric progression
* 8. Some special series

**Unit – 3 Coordinate Geometry** * 1.Brief review of Cartesian system of rectangular co-ordinates
* 2. The straight lines
* 3. Circle
* 4. Parabola
* 5. Hyperbola
* 6. Ellipse
* 7. Introduction of 3D

**Unit – 4 Calculus** * 1.Limit & Derivates

Unit – 5 Statistics & Probability |
| ***P H E*** | **UNIT – I** * Changing Trends & Career in Physical Education

**UNIT - II*** Olympic Value Education
 | **UNIT – I** * Changing Trends & Career in Physical Education

 **UNIT - II*** Olympic Value Education

**UNIT – III** * Yoga

**UNIT – IV** * Physical Education & sports for CWSN

**UNIT - V*** Physical fitness, Health & Wellness

  | **UNIT – VI** * Physical Activity and Leadership Training

**UNIT – VII** * Test, Measurement & Evaluation
 | **UNIT – I** * Changing Trends & Career in Physical Education

 **UNIT - II*** Olympic Value Education

**UNIT - III*** Physical fitness, Health & Wellness

**UNIT – IV** * Physical Education & sports for (CWSN)

**UNIT – V** * Yoga

**UNIT – VI** * Physical Activity and Leadership Training

**UNIT – VII** * Test, Measurement & Evaluation

**UNIT - VIII*** Fundamentals of Anatomy, Physiology & Kinesiology in sports

**UNIT - IX*** Psychology & Sports

**UNIT - X*** Training & Doping in sports
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| ***Y******O******G******A*** |  | **PART – A*** Unit – 1 – Communication Skills – III
* Unit – 2 – Self Management Skills – III

**PART – B*** Unit – I – Introduction to Yoga & Yogic Practices - I
* Unit – 2 – Introduction to Yoga texts – I
 |  | **PART – A*** Unit – 3 – ICT Skills – III
* Unit – 4 – Entrepreneurial Skills – III
* Unit – 5 – Green Skills – III

**PART – B*** Unit – 2 – Introduction to Yoga texts – I
* Unit – 3 – Yoga for Health Promotion – I
 |