**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 |
| ***H I N D I*** | **[k.M& d ¼vifBr½**   * vifBr xn~;ka’k * vifBr in~;ka’k   **[k.M& [k ¼O;kdj.k½**   * tulapkj ds ek/;e ,ao lk/ku * i=&ys[ku ¼vkSipkfjd½ * jpukRed ys[ku   **[k.M& x ¼ikB~; iqLrd½**  **Xkn~; [k.M**   * ikB&1 izsepan&ued dk njksxk * ikB&2 d`”.kk lkscrh&fe;k¡ ulh:n~nhu   **dkO; [k.M**   * ikB&11 dchj& 1ge rkSj ,d&,d dfj tkukA * ikB&12 ehjk& 1- esjs rks fxj/kj xksiky] nwljksa uk dksbZA | **[k.M& d ¼vifBr½**   * vifBr xn~;ka’k * vifBr in~;ka’k   **[k.M& [k ¼O;kdj.k½**   * tulapkj ek/;e ,oa lk/ku * i=dkfjrk ds fofo/k vk;ke * ‘kCndks”k * jpukRed ys[ku * i= ys[ku   **[k.M& x ¼ikB~; iqLrd½**  **Xkn~; [k.M**   * ikB&1 izsepan&ued dk njksxk * ikB&2 d`”.kk lkscrh&fe;k¡ ulh:n~nhu * ikB&3 lR;thr jk; &viw ds lkFk <kbZ lky * ikB&4 ckyd``”.k xqIr&fonkbZ laHkk”k.k   **dkO; [k.M**   * ikB&11 dchj& 1ge rkSj ,d&,d dfj tkukA * ikB&12 ehjk& 1- esjs rks fxj/kj xksiky] nwljksa uk dksbZA * ikB&15 ?kj dh ;kn&Hkokuh izlkn feJ   **[k.M& ?k ¼forku½**   * ikB&1 Hkkjrh; xkf;dkvks esa cstksM+ &yrk eaxs’kdj | **[k.M& d ¼vifBr½**   * vifBr xn~;ka’k * vifBr in~;ka’k   **[k.M& [k ¼O;kdj.k½**   * tulapkj ek/;e * i=dkfjrk ds fofo/k vk;ke * u, vkSj vizR;kf’kr fo”k;ksa ij ys[ku * dk;kZy;h i= ys[ku * dSls fy[ks dgkuh * jpukRed ys[ku * ‘kCndks’k   **[k.M& x ¼ikB~; iqLrd½**  **Xkn~; [k.M**   * ikB&1 izsepan&ued dk njksxk * ikB&2 d`”.kk lkscrh&fe;k¡ ulh:n~nhu * ikB&3 lR;thr jk; &viw ds lkFk <kbZ lky * ikB&4 ckyd``”.k xqIr&fonkbZ laHkk”k.k * ikB&5 xyrk yksgk& ‘ks[kj tks’kh * ikB&7 jtuh&eUuw HkaMkjh   **dkO; [k.M**   * ikB&11 dchj& 1ge rkSj ,d&,d dfj tkukA * ikB&12 ehjk& 1- esjs rks fxj/kj xksiky] nwljksa uk dksbZA * ikB&15 ?kj dh ;kn&Hkokuh izlkn feJ * ikB&16 Pkaik dkys&dkys v{kj ugh phUgrha * ikB&17 xty&nq”;ar dqekj   **[k.M& ?k ¼forku½**   * ikB&1 Hkkjrh; xkf;dkvks esa cstksM+ &yrk eaxs’kdj * ikB&2 jktLFkku dh jtr&cw¡nsa | **[k.M& d ¼vifBr½**   * vifBr xn~;ka’k * vifBr in~;ka’k   **[k.M& [k ¼O;kdj.k½**   * tulapkj ek/;e * i=dkfjrk ds fofo/k vk;ke * ‘kCndks”k * dk;kZy;h i= ys[ku * jpukRed ys[ku * dSls fy[ks dgkuh * Mk;jh fy[kus dh fo/kk * ‘kCndks’k * Loo`Rr ys[ku   **[k.M& x ¼ikB~; iqLrd½**  **Xkn~; [k.M**   * ikB&1 izsepan&ued dk njksxk * ikB&2 d`”.kk lkscrh&fe;k¡ ulh:n~nhu * ikB&3 lR;thr jk; &viw ds lkFk <kbZ lky * ikB&4 ckyd``”.k xqIr&fonkbZ laHkk”k.k * ikB&5 xyrk yksgk& ‘ks[kj tks’kh * ikB&7 jtuh&eUuw HkaMkjh * ikB&8 tkequ dk isM&d`’upanj * ikB&9 Hkkjr ekrk& tokgjyky usg:   **dkO; [k.M**   * ikB&11 dchj& 1ge rkSj ,d&,d dfj tkukA * ikB&12 ehjk& 1- esjs rks fxj/kj xksiky] nwljksa uk dksbZA * ikB&15 ?kj dh ;kn&Hkokuh izlkn feJ * ikB&16 Pkaik dkys&dkys v{kj ugh phUgrha * ikB&17 xty&nq”;ar dqekj * ikB&18 gs Hkw[k er epy   gs ejs twgh ds Qwy tSls bZ’oj   * ikB&19 lcls [krjukd& vorkj flag ik’k * ikB&20 fueZyk iqrqy& vkvks feydj cpk,¡   **[k.M& ?k ¼forku½**   * ikB&1 Hkkjrh; xkf;dkvks esa cstksM+ &yrk eaxs’kdj * ikB&2 jktLFkku dh jtr&cw¡nsa * ikB&3 csch gkynkj&vkyks vk¡/kkfj |
| ***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 |