**BEDI INTERNATIONAL SCHOOL, BAREILLY**

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

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| ***SUBJECT*** | ***I UNIT TEST***  ***(May 2023)*** | ***ITERM EXAM***  ***(September 2023)*** | ***PRE-BOARD-1***  ***(Dec. 2023)*** | ***PRE-BOARD-2***  ***(Jan. 2024)*** |
| ***E***  ***N***  ***G***  ***L***  ***I***  ***S***  ***H*** | **WRITING**   * Notice Writing   **LITERATURE**  **Flamingo-**  **Prose:**   * The Last Lesson   **Poetry:**   * My Mother at Sixty Six * Keeping Quiet   **Vistas -**   * The Third Level | **READING**   * Passage for comprehension * Case based Passage   **WRITING**   * Notice Writing * Invitations & replies * Job Application * Letter to the Editor * Article Writing * Report Writing   **LITERATURE**  **Flamingo-**  **Prose:**   * The Last Lesson * The Rattrap * Lost Spring * Deep Water * Indigo   **Poetry:**   * A Thing of Beauty * Keeping Quiet * Aunt Jennifer's Tigers   **Vistas -**   * The Third Level * The Tiger King * Journey to the End of the Earth * The Enemy | **READING**   * Passage for comprehension * Case based Passage   **WRITING**   * Notice Writing * Invitations & replies * Job Application * Letter to the Editor * Article Writing * Report Writing   **LITERATURE**  **Flamingo-**  **Prose:**   * The Last Lesson * The Rattrap * Lost Spring, * Deep Water * Indigo * Poets and Pancakes * The Interview * Going Places   **Poetry:**   * My Mother at Sixty Six * A Thing of Beauty * Keeping Quiet * Aunt Jennifer's Tigers * A Roadside Stand   **Vistas -**   * The Third Level * The Tiger King * Journey to the End of the Earth * The Enemy * On the Face of it * Memories of Childhood  1. The Cutting of My Long Hair   (ii) We Too are Human Beings | **READING**   * Passage for comprehension * Case based Passage   **WRITING**   * Notice Writing * Invitations & replies * Job Application * Letter to the Editor * Article Writing * Report Writing   **LITERATURE**  **Flamingo-**  **Prose**:   * The Last Lesson * The Rattrap * Lost Spring, * Deep Water * Indigo * Poets and Pancakes * The Interview * Going Places   **Poetry:**   * My Mother at Sixty Six * A Thing of Beauty * Keeping Quiet * Aunt Jennifer's Tigers * A Roadside Stand   **Vistas -**   * The Third Level * The Tiger King * Journey to the End of the Earth * The Enemy * On the Face of it. * Memories of Childhood   (i) The Cutting of My Long Hair  (ii) We Too are Human Beings |
| ***SUBJECT*** | ***I UNIT TEST***  ***(May 2023)*** | ***ITERM EXAM***  ***(September 2023)*** | ***PRE-BOARD-1***  ***(Dec. 2023)*** | ***PRE-BOARD-2***  ***(Jan. 2024)*** |
| **B**  ***I***  ***O***  ***L***  ***O***  ***G***  ***Y*** | • Ch-2. Sexual Reproduction In flowering Plants   * Ch-3. Human Reproduction | • Ch-2. Sexual Reproduction in flowering Plants  • Ch-3. Human Reproduction  • Ch-4. Reproductive Health  • Ch-5. Principles of Inheritance  • Ch-6. Molecular basis of Inheritance & Variation  • Ch-7. Evolution | • Ch-2. Sexual Reproduction in flowering Plants  • Ch-3. Human Reproduction  • Ch-4. Reproductive Health  • Ch-5. Principles of Inheritance  • Ch-6. Molecular basis of Inheritance & Variation  • Ch-7. Evolution  • Ch-8. Human Health & Diseases  • Ch-10. Microbes in Human Welfare  • Ch-11. Biotechnology- Principles & Processes  • Ch-12. Biotechnology & its Application  • Ch-13. Organisms & Population   * Ch-14. Ecosystem * Ch-15. Biodiversity & its conservation | • Ch-2. Sexual Reproduction in flowering Plants  • Ch-3. Human Reproduction  • Ch-4. Reproductive Health  • Ch-5. Principles of Inheritance  • Ch-6. Molecular basis of Inheritance & Variation  • Ch-7. Evolution  • Ch-8. Human Health & Diseases  • Ch-10. Microbes in Human Welfare  • Ch-11. Biotechnology- Principles & Processes  • Ch-12. Biotechnology & its Application  • Ch-13. Organisms & Population  • Ch-14. Ecosystem  • Ch-15. Biodiversity & its conservation |
| **C**  ***H***  ***E***  ***M***  ***I***  ***S***  ***T***  ***R***  ***Y*** | 1.Solutions  2.Electrochemistry | 1.Solutions  2.Electrochemistry  3.Chemical Kinetics  4.d and f block elements  5.Coordinations 6.Haloalkanes and Haloarenes | 1.Solutions  2.Electrochemistry  3.Chemical Kinetics  4.d and f block elements  5.Coordination Compounds  6.Haloalkanes and Haloarenes  7.Alcohols, Phenols and Ethers  8.Aldehydes, Ketones and Carboxylic acids  9.Amines  10.Biomolecules | 1.Solutions  2.Electrochemistry  3.Chemical Kinetics  4.d and f block elements  5.Coordination Compounds  6.Haloalkanes and Haloarenes  7.Alcohols, Phenols and Ethers  8.Aldehydes, Ketones and Carboxylic acids  9.Amines  10.Biomolecules |
| **P**  **H**  **Y**  **S**  **I**  **C**  **S** | **UNIT - I Eletrostatics**  •Ch 1 Electric Charges & Fields  •Ch 2 Electrostatic Potential & Capacitance | **UNIT - I Eletrostatics**  •Ch 1 Electric Charges & Fields  •Ch 2 Electrostatic Potential & Capacitance  **UNIT - II Current Electricity**  •Ch 3 Current Electricity  **UNIT - III Magnetism**  •Ch 4 Moving charges & Magnetism  •Ch 5 Magnetism & Matter  **UNIT - IV EMI & AC**  •Ch 6 EMI  •Ch 7 AC  **UNIT - V Electro Magnetic** **Waves**  •Ch 8 EMW | **UNIT - I Eletrostatics**  •Ch 1 Electric Charges & Fields  •Ch 2 Electrostatic Potential & Capacitance  **UNIT - II Current Electricity**  •Ch 3 Current Electricity  **UNIT - III Magnetism**  •Ch 4 Moving charges & Magnetism  •Ch 5 Magnetism & Matter  **UNIT - IV EMI & AC**  •Ch 6 EMI  •Ch 7 AC  **UNIT - V Electro Magnetic** **Waves**  •Ch 8 EMW  **UNIT - VI Optics**  •Ch 9 Ray Optics  •Ch 10 Wave Optics  **UNIT - VII Dual Nature of** **Radiation & Matter**  •Ch 11 Dual Matter of Radiation and Matter  **UNIT - VIII Atoms & Nuclei**  •Ch 12 Atoms  •Ch 13 Nuclei  **UNIT - IX Electronic Devices**  •Ch 14 Semiconductors | **UNIT - I Eletrostatics**  •Ch 1 Electric Charges & Fields  •Ch 2 Electrostatic Potential & Capacitance  **UNIT - II Current Electricity**  •Ch 3 Current Electricity  **UNIT - III Magnetism**  •Ch 4 Moving charges & Magnetism  •Ch 5 Magnetism & Matter  **UNIT - IV EMI & AC**  •Ch 6 EMI  •Ch 7 AC  **UNIT - V Electro Magnetic** **Waves**  •Ch 8 EMW  **UNIT - VI Optics**  •Ch 9 Ray Optics  •Ch 10 Wave Optics  **UNIT - VII Dual Nature of** **Radiation & Matter**  •Ch 11 Dual Matter of Radiation and Matter  **UNIT - VIII Atoms & Nuclei**  •Ch 12 Atoms  •Ch 13 Nuclei  **UNIT - IX Electronic Devices**  •Ch 14 Semiconductors |
| **C**  **O**  **M**  **P**  **.**  **S**  **C**  **I E**  **N C**  **E** | * 1. Python Revision Tour * 2. Python Revision Tour-II | * 1. Python Revision Tour * 2. Python Revision Tour-II * 3. Working with Functions * 4. Using Python Libraries * 5. File Handling * 11. Relational Databases * 12. Simple queries in SQL * 13. Table creation and Data Manipulation Commands * 14. Grouping Records, Joins in SQL   **Practical Assessment:**   * Programming based on Functions, File handling, SQL commands | * 1. Python Revision Tour * 2. Python Revision Tour-II * 3. Working with Functions * 4. Using Python Libraries * 5. File Handling * 9. Data structures II-Stacks using lists * 10. Communication and Network concepts * 11. Relational Databases * 12. Simple Queries in SQL * 13. Table creation and Data Manipulation Commands * 14. Grouping Records, Joins in SQL * 15. Interface Python withMySQL   **Practical Assessment:**   * Programming based on all topics of Python programming, SQL commands | * 1. Python Revision Tour * 2. Python Revision Tour-II * 3. Working with Functions * 4. Using Python Libraries * 5. File Handling * 9. Data structures II-Stacks using lists * 10. Communication and Network concepts * 11. Relational Databases * 12. Simple Queries in SQL * 13. Table creation and Data Manipulation Commands * 14. Grouping Records, Joins in SQL * 15. Interface Python with MySQL   **Practical Assessment:**   * Programming based on all topics of Python programming, SQL commands |
| ***M***  ***A T H S*** | * Matrices * Adjoint & Inverse of Matrices * Solution of Linear Equation * Application of Determinants | * Inverse Trigonometric Function * Matrices * Application of Determinants * Adjoint & Inverse of Matrices * Solution of Linear Equation * Continuity * Differentiability * Differentiation * Higher Order Derivative * Maxima & Minima * Increasing & Decreasing | * Relation & Function * Inverse Trigonometric Function * Matrices * Application of Determinants * Adjoint & Inverse of Matrices * Solution of Linear Equation * Continuity * Differentiability * Differentiation * Higher Order Derivative * Maxima & Minima * Increasing & Decreasing * Indefinite Integral * Definite Integral * Area Bounded Region * Differential Equation * Vector * 3 Dimensional * Straight Line | * Relation & Function * Inverse Trigonometric Function * Matrices * Application of Determinants * Adjoint & Inverse of Matrices * Solution of Linear Equation * Continuity * Differentiability * Differentiation * Higher Order Derivative * Maxima & Minima * Increasing & Decreasing * Indefinite Integral * Definite Integral * Area Bounded Region * Differential Equation * Vector * 3 Dimensional * Straight Line * Probability |
| ***H***  ***I***  ***N***  ***D***  ***I*** | **[k.M & d ¼vifBr½**   * vifBr xn~;ka’k * vifBr in~;ka’k   **[k.M & [k ¼O;kdj.k½**   * jpukRed ys[ku * u, vkSj vizR;kf’kr fo”k;ksa ij ys[ku   **¼[k.M & x½ xn~;&[k.M ¼vkjksg½**   * HkfDru & egknsoh oekZ * ckt+kj & n'kZu & tSuasnz dqekj   **in~; & [k.M ¼vkjksg½**   * vkRe ifjp; * ,dxhr&gfjoa'kjk; cPpu * irax & vkykss /kuok | **[k.M & d ¼vifBr½**   * vifBr xn~;ka’k * vifBr in~;ka’k   **[k.M & [k ¼O;kdj.k½**   * dk;kZy;h fgUnh vkSj jpukRed ys[ku] vfHkO;fDr vkSj ek/;e * fofHkUu ek/;eksa ds fy, ys[ku * i=dkfjrk ys[ku ds fofHkUUk :Ik vkSj ys[ku izfØ;k * u, vkSj vizR;kf’kr fo”k;ksa ij ys[ku * jpukRed ys[ku   **¼[k.M & x½ xn~;&[k.M ¼vkjksg½**   * HkfDru & egknsoh oekZ * ckt+kj & n'kZu & tSusanz dqekj * dkys es?kk ikuh ns & /keZohj Hkkjrh * igyoku dh <ksyd& Q.kh'oj ukFk js.kq   **in~; & [k.M ¼vkjksg½**   * vkRe&ifjp;],dxhr&gfjoa'kjk; cPpu * irax & vkyksd /kUok * dfork ds cgkus] ckr lh/kh Fkh&dq¡oj ukjk;.k * dSejs esa can vikfgt&j?kqohj lgk; * dforkoyh&xksLokeh rqylhnkl]   **¼[k.M & ?k½ forku**   * flYoj oSfMax & euksgj ';ke tks'kh * tw>& vkuUn ;kno | **[k.M & d ¼vifBr½**   * vifBr xn~;ka’k * vifBr in~;ka’k   **[k.M & [k ¼O;kdj.k½**   * fofHkUu ek/;eksa ds fy, ys[ku * i=dkfjrk ys[ku ds fofHkUUk :Ik vkSj ys[ku izfØ;k * fo’ks”k ys[ku Lo:Ik vkSj izdkj * dSls djsa dgkuh dk ukV~; :ikarj.k * dSls curk gS jsfM;ks ukVd * u, vkSj vizR;kf’kr fo”k;ksa ij ys[ku * jpukRed ys[ku   **¼[k.M & x½ xn~;&[k.M ¼vkjksg½**   * HkfDru & egknsoh oekZ ] * ckt+kj n'kZu & tSuanz dqekj * dkys es?kk ikuh ns & /keZohj Hkkjrh * igyoku dh <ksyd& Q.kh'oj ukFk js.kq * f'kjh"k ds Qwy&gtkjh izlkn f}osnh * Je foHkktu vkSj tkfr izFkk& ckck vacsMdj   **in~; & [k.M ¼vkjksg½**   * vkRe&ifjp;],dxhr&gfjoa'kjk; cPpu * irax & vkyksd /kUok * dfork ds cgkus] ckr lh/kh Fkh & dq¡oj ukjk;.k * dSejs esa can vikfgt&j?kqohj lgk;] * m"kk &'ke'ksj cgknqj flag * ckny jkx&lw;Zdkar f=ikBh ^fujkyk\* * dforkoyh&xksLokeh rqylhnkl] * :ckb;k¡ vkSj xt+y&fQ+jkd xksj[kiqjh   **¼[k.M & ?k½ forku**   * flYoj oSfMax & euksgj ';ke tks'kh * tw>& vkuUn ;kno | **[k.M & d ¼vifBr½**   * vifBr xn~;ka’k * vifBr in~;ka’k   **[k.M & [k ¼O;kdj.k½**   * fofHkUu ek/;eksa ds fy, ys[ku * i=dkfjrk ys[ku ds fofHkUUk :Ik vkSj ys[ku izfØ;k * fo’ks”k ys[ku Lo:Ik vkSj izdkj * dSls djsa dgkuh dk ukV~; :ikarj.k * dSls curk gS jsfM;ks ukVd * u, vkSj vizR;kf’kr fo”k;ksa ij ys[ku * jpukRed ys[ku   **¼[k.M & x½ xn~;&[k.M ¼vkjksg½**   * HkfDru & egknsoh oekZ ] * ckt+kj n'kZu & tSuanz dqekj * dkys es?kk ikuh ns & /keZohj Hkkjrh * igyoku dh <ksyd& Q.kh'oj ukFk js.kq * f'kjh"k ds Qwy&gtkjh izlkn f}osnh * Je foHkktu vkSj tkfr izFkk   **in~; & [k.M ¼vkjksg½**   * vkRe&ifjp;],dxhr&gfjoa'kjk; cPpu * irax & vkyksd /kuok * dfork ds cgkus] ckr lh/kh Fkh &dq¡oj ukjk;.k * dSejs esa can vikfgt&j?kqohj lgk;] * m"kk &'ke'ksj cgknqj flag * ckny jkx&lw;Zdkar f=ikBh ^fujkyk\* * dforkoyh&xksLokeh rqylhnkl] * :ckb;k¡ &fQ+jkd xksj[kiqjh * NksVk esjk [ksRk] cxqyksa ds ia[k & mek ‘kadj tks’kh   **¼[k.M & ?k½ forku**   * flYoj oSfMax & euksgj ';ke tks'kh * tw>& vkuUn ;kno * vrhr ds ncs ik¡o |
| **P**  **H**  **E** | **UNIT - I**   * Management of Sports Event   **UNIT - II**   * Children and Women in Sports | **UNIT - I**   * Management of Sports Event   **UNIT - II**   * Children and Women in Sports   **UNIT - III**   * Yoga as Preventive Measures for Lifestyle Disease   **UNIT - IV**   * Physical education and sports for (CWSN)   **UNIT - V**   * Sports and Nutrition   **UNIT - VI**   * Test and Measurement in sports   **UNIT - VII**   * Physiology and Injuries in Sports   **Practical Assessment:**   * 1. Physical Fitness * 2. Athletics a- Any two events * 3. Health & fitness Activity * 4. Skill of any one individual game of choice from the list * 5. Viva * 6. Record File | **UNIT - I**   * Management Of Sports Event   **UNIT - II**   * Children and Women in Sports   **UNIT - III**   * Yoga as Preventive Measures for Lifestyle Disease   **UNIT - IV**   * Physical Education and Sports for (CWSN)   **UNIT - V**   * Sports and Nutrition   **UNIT - VI**   * Test and Measurement in sports   **UNIT - VII**   * Physiology and Injuries in Sports   **UNIT - VIII**   * Biomechanics and Sports   **UNIT - IX**   * Psychology and Sports   **Practical Assessment:**   * Physical Fitness * Athletics a- Any two events * Health & fitness Activity * Skill of any one individual game of choice from the list * Viva * Record File | **UNIT - I**   * Management Of Sports Event   **UNIT - II**   * Children and Women in Sports   **UNIT - III**   * Yoga as Preventive Measures for Lifestyle Disease   **UNIT - IV**   * Physical Education and Sports for (CWSN)   **UNIT - V**   * Sports and Nutrition   **UNIT - VI**   * Test and Measurement in sports   **UNIT - VII**   * Physiology and Injuries in Sports   **UNIT - VIII**   * Biomechanics and Sports   **UNIT - IX**   * Psychology and Sports   **UNIT - X**   * Training in Sports   **Practical Assessment:**   * Physical Fitness * Athletics a- Any two events * Health & fitness Activity * Skill of any one individual game of choice from the list * Viva * Record File |