**BEDI INTERNATIONAL SCHOOL, BAREILLY**

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***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
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**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.Solutions2.Electrochemistry | 1.Solutions2.Electrochemistry3.Chemical Kinetics4.d and f block elements5.Coordinations 6.Haloalkanes and Haloarenes  | 1.Solutions 2.Electrochemistry3.Chemical Kinetics 4.d and f block elements5.Coordination Compounds6.Haloalkanes and Haloarenes7.Alcohols, Phenols and Ethers8.Aldehydes, Ketones and Carboxylic acids9.Amines 10.Biomolecules | 1.Solutions 2.Electrochemistry3.Chemical Kinetics 4.d and f block elements5.Coordination Compounds6.Haloalkanes and Haloarenes7.Alcohols, Phenols and Ethers8.Aldehydes, Ketones and Carboxylic acids9.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

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* 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
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* 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
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* dSejs esa can vikfgt&j?kqohj lgk;]
* m"kk &'ke'ksj cgknqj flag
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* tw>& vkuUn ;kno
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* 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

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* ckt+kj n'kZu & tSuanz dqekj
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* igyoku dh <ksyd& Q.kh'oj ukFk js.kq
* f'kjh"k ds Qwy&gtkjh izlkn f}osnh
* Je foHkktu vkSj tkfr izFkk

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* dSejs esa can vikfgt&j?kqohj lgk;]
* m"kk &'ke'ksj cgknqj flag
* ckny jkx&lw;Zdkar f=ikBh ^fujkyk\*
* dforkoyh&xksLokeh rqylhnkl]
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* NksVk esjk [ksRk] cxqyksa ds ia[k & mek ‘kadj tks’kh

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* 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
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 | **UNIT - I** * Management Of Sports Event

**UNIT - II** * Children and Women in Sports

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**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
 |