



# Brij Bhushan Lal Public School

Bareilly

SYLLABUS - SESSION: 2019-20

CLASS – XI

FIRST TERM	SECOND TERM	THIRD TERM
<b>ENGLISH</b>		
<p><b><u>HORNBILL</u></b>            1- The Portrait of a Lady            2- A Photograph (Poem)            3- We are not Afraid to Die            4- Discovering Tut            5- The Laburnum Top (Poem)            6- Landscape of the Soul</p> <p><b><u>SNAPSHOT</u></b>            1 – The Summer of Beautiful ...            2- The Address            3- Ranga’s Marriage            4 – Albert Einstein</p> <p><b><u>WRITING, GRAMMAR, COMPREHENSION</u></b>            1- Newspaper classified            2- Business Letters            3- Speech/Debate            • Integrated Grammar, Note making</p>	<p><b><u>HORNBILL</u></b>            7- The Voice of the Rain            8- The Ailing Planet            9- The Browning Version            10- The Adventure            11- Silk Road            12- Father to Son            13- Childhood</p> <p><b><u>SNAPSHOT</u></b>            5 – Mother’s Day            6- The Ghat of the only World            7- Birth            8- The Tale of Melon City</p> <p><b><u>WRITING, GRAMMAR, COMPREHENSION</u></b>            Job Application + Resume, Invitation, Report,            Integrated Grammar, Error, Omission, Reported            speech, Jumbled Words</p>	<p>Complete syllabus of First &amp; Second Term.            Revision of short long compositions.            Revision of Literature Reader, Text book, Prose, Poetry</p>
<b>PHYSICS</b>		
<p>Unit -1 - Units &amp; measurements            Unit-2 – Kinematics            Unit-3 – Laws of Motion            Unit -4 – Work, Energy &amp; Power</p>	<p>I Term +            Unit-5 – Centre of Mass &amp; Rotational Motion            Unit-6 – Gravitation            Unit-7 – Properties of bulk matter            Unit-8 – Thermodynamics</p>	<p>I Term + II Term +            Unit-9 – Kinetic Theory of Gases            Unit-10 – Waves &amp; Oscillations</p>
<b>CHEMISTRY</b>		
<p>Unit-1 – Some Basic Concepts of Chemistry            Unit-2 – Structure of Atom            Unit-3 – Classification of Elements and Periodicity in Properties            Unit-4 – Chemical Bonding and Molecular Structure</p>	<p>I Term +            Unit-5 – States of Matter            Unit-6 – Chemical Thermodynamics            Unit-7 – Equilibrium            Unit-8 - Redox Reactions            Unit-9 - Hydrogen</p>	<p>I Term + II Term +            Unit-10 – S-Block Elements            Unit-11 – P-Block Elements            Unit-12 – Organic Chemistry            Some Basic Principles &amp; Techniques            Unit-13 – Hydrocarbons            Unit-14 – Environmental Chemistry</p>

**MATHS**

1- Set 2- Relation and Function 3- Trigonometric Function 4- Principle of mathematical Induction 5- Complex No. And Quadratic Eq <sup>n</sup> 6- Linear Inequation	7- Permutation Combination 8- Binomial Theorem 9- Sequence and Series 10- Straight Line 11- Conic Section + I Term	12- 3- Dimensional Geometry 13- Limits and Derivative 14- Mathematical Reasoning 15- Statistics 16- Probability + I & II Term
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**PHYSICAL EDUCATION**

1. Changing Trends & Career in Physical Education 2. Olympic Value Education 3. Physical Fitness, Wellness & Life style	4. Physical Education & Sports for CWSN 5. Yoga 6. Physical Activities and Leadership Training 7. Test, Measurement and Evaluation	8. Fundamentals of Anatomy, Physiology and Kinesiology in Sports 9. Psychology and sports 10. Training and Doping in Sports
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**BIOLOGY**

<b>UNIT-1</b> 1. The Living World 2. Biological Classification 3. Plant Kingdom 4. Animal Kingdom <b>UNIT-2</b> 5. Morphological..... 6. Anatomy of..... 7. Structural Organisation..... <b>UNIT-3</b> 8. Cell..... 9. Bio molecules	<b>UNIT – 1 + 2 + 3 + 4 + 5</b> <b>UNIT-3</b> 10. Cell Cycle & Cell..... <b>UNIT-4</b> 11. Transport in Plants.... 12. Mineral Nutrition 13. Photosynthesis.... 14. Respiration in Plants 15. Plant Growth .... <b>UNIT-5</b> 16. Digestion & Absorption	<b>UNIT – 1 + 2 + 3 + 4 + 5 (Full Syllabus)</b> <b>UNIT-5</b> 17. Breathing and..... 18. Body Fluids and..... 19. Excretory Products..... 20. Locomotion..... 21. Neural Control..... 22. Chemical Control.....
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**COMPUTER SCIENCE**

1. Getting Started with Python 2. Python Fundamentals 3. Data Handling 4. Conditional and Iteration Statements	I Term + 5. String Manipulation 7. List Manipulation 8. Tuples 9. Dictionaries 10. Understanding Sorting	<b>II Term +</b> 16. Relational Databases 17. Simple Queries in SQL 18. Table Creation and Data Manipulation 19. Table Joins and Indexes in SQL 20. Basics of No SQL Database – MONGODB 21. Cyber Safety 22. Online Access and Computer Security
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**ACCOUNTANCY**

<ol style="list-style-type: none"> <li>1. Meaning of Objective of Accounting</li> <li>2. Basic Accounting Terms</li> <li>3. Accounting Principles</li> <li>4. Process &amp; bases of Accounting</li> <li>5. Accounting Standards &amp; IFRs</li> <li>6. Accounting Equations</li> <li>7. Double Entry System</li> <li>8. Origin of Transactions – Source Document</li> <li>9. Journal</li> <li>10. Cash Book</li> <li>11. Subsidiary Books</li> <li>12. Ledger</li> <li>13. Trial Balance &amp; Errors</li> </ol>	<p>I Term +</p> <ol style="list-style-type: none"> <li>14. Bank Reconciliation Statement</li> <li>15. Depreciation</li> <li>16. Provision &amp; Reserves</li> <li>17. Bills of Exchange</li> <li>18. Errors &amp; their Rectification</li> </ol>	<p>I Term + II Term +</p> <ol style="list-style-type: none"> <li>19. Capital &amp; Reserve</li> <li>20. Financial Statements (Without Adjustment)</li> <li>21. Financial Statements (With Adjustment)</li> <li>22. Accounts for Incomplete Records</li> </ol>
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**BUSINESS STUDIES**

<ol style="list-style-type: none"> <li>1. Nature &amp; Purpose of Business</li> <li>2. Forms of Business Organisation</li> <li>3. Private, Public &amp; Global Enterprises</li> <li>4. Business Services</li> </ol>	<p><b>Chapter 1 &amp; 4 +</b></p> <ol style="list-style-type: none"> <li>5. Emerging Modes of Business</li> <li>6. Social Responsibilities of Business</li> <li>7. Sources of Business Finance</li> </ol>	<p><b>Chapter 1, 3, 4, 5, 6, 7 +</b></p> <ol style="list-style-type: none"> <li>8. Small Business</li> <li>9. Internal Trade</li> <li>10. International Business</li> </ol>
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**ECONOMICS**

<p align="center"><b><u>MICRO ECONOMICS</u></b></p> <ol style="list-style-type: none"> <li>1. Introduction</li> <li>2. (PPC) Central Problems</li> <li>3. Theory of Demand</li> <li>4. Price Elasticity of Demand</li> <li>5. Forms of Market</li> </ol> <p align="center"><b><u>STATISTICS</u></b></p> <ol style="list-style-type: none"> <li>1. Concept of Economics</li> <li>2. Collection of Data</li> <li>3. Census &amp; Sample</li> <li>9. Measures of Central Tendency (Mean)</li> <li>10. Median &amp; Mode</li> <li>12. Correlation</li> </ol>	<p align="center"><b><u>MICRO ECONOMICS</u></b></p> <ol style="list-style-type: none"> <li>3. Utility (Cardinal)</li> <li>4. Indifference Curve</li> <li>11. Theory of Supply</li> <li>13. Market Equilibrium</li> </ol> <p align="center"><b><u>STATISTICS</u></b></p> <ol style="list-style-type: none"> <li>4. Organisation of data</li> <li>5. Presentation of Data</li> <li>11. Dispersion</li> </ol>	<p align="center"><b><u>MICRO ECONOMICS</u></b></p> <ol style="list-style-type: none"> <li>7. Production Function</li> <li>8. Concept of Cost</li> <li>9. Concept of Revenue</li> <li>10. Producer’s Equilibrium</li> </ol> <p align="center"><b><u>STATISTICS</u></b></p> <ol style="list-style-type: none"> <li>6. Diagrammatic – Bar &amp; Pie</li> <li>7. Frequency Diagram</li> <li>8. Arithmetic Line Graph</li> <li>13. Index Numbers</li> </ol>
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# Brij Bhushan Lal Public School

Bareilly

SYLLABUS - SESSION: 2019-20

CLASS – XII

FIRST TERM	FIRST PRE-BOARD
<b>ENGLISH</b>	
<p><b>FLAMINGO</b></p> <p><b>PROSE</b></p> <p>1- The Last Lesson 2- Lost Spring 3- Deep Water 4- The Rattrap 5- Indigo</p> <p><b>VISTAS</b></p> <p>1- The Third Level 2- The Tiger King 3- The Enemy 4- Should Wizard Hit Mommy 5- On the Face of it 6- Journey to the End of the Earth 7- Evans Tries an O Level</p> <p><b>WRITING SKILL + COMPREHENSION</b></p> <p>1. Advertisements, Notices, Poster designing, Formal Informal Invitation &amp; Replies. 2. Letters based on verbal or visual Inputs. Business letters, formal Letters, Speech Debate, Note making 4- Speech/Debate</p> <ul style="list-style-type: none"> <li>• Integrated Grammar, Note making</li> <li>•</li> </ul>	<p><b>FLAMINGO</b></p> <p><b>PROSE</b></p> <p>6- Poet and Pancakes 7- The Interview 8- Going Places</p> <p><b>VISTAS</b></p> <p>8- Memories of Childhood 9- The Cutting of My Long Hair 10- We too are Human Beings</p> <p><b>WRITING SKILL + COMPREHENSION</b></p> <p>1. Job Application 2. Official Letters 3. Business Letters, Inquiry, Placing Order, cancelling Order 4. Letters to the Editors 5. Debate 6. Speech 7. Report 8. Article Writing</p> <ul style="list-style-type: none"> <li>• Note Making</li> <li>• Revision Test – Board pattern question papers.</li> </ul>
<b>PHYSICS</b>	
<p>Unit -1 – Electrostatics Unit-2 – Current Electricity Unit-3 – Magnetism Unit -4 – Electromagnetic induction &amp; Alternating Current Unit-5 – Electromagnetic Waves Unit-6 – Optics (Ray optics only)</p>	<p>I Term + Unit-6 – Optics (Wave optics) Unit-7 – Dual nature of Matter &amp; Radiation Unit-8 – Atoms &amp; Nuclei Unit-9 – Semi Conductor Devices Unit-10 – Communication Systems</p>

**CHEMISTRY**

Unit-1 – Solutions  
Unit-2 – Electrochemistry  
Unit-3 – Chemical Kinetics  
Unit-4 – Surface Chemistry  
Unit-5 – General Principles and processes of Isolation of Elements  
Unit-6 – p-Block Elements  
Unit-7 – d and f Block Elements  
Unit-8 – Coordination Compounds

I Term +  
Unit-9 – Haloalkanes & Haloarenes  
Unit-10 – Alcohols, Phenols & Ethers  
Unit-11 – Aldehydes, Ketones & Carboxylic acids  
Unit-12 – Organic Compounds, Containing Nitrogen  
Unit-13 – Biomolecules  
Unit-14 – Polymers  
Unit-15 – Chemistry in Everyday Life

**MATHS**

1. Matrices
2. Determinants
3. Relation Function
4. Inverse Trigonometric Function
5. Continuity and Differentiability
6. Application of Derivative
7. Indefinite Integral

8. Definite Integral
  9. Application of Integrals
  10. Differential Equation
  11. Vectors
  12. 3-D
  13. L.P.P.
  14. Probability
- + I Term

**BIOLOGY****UNIT-6**

1. Reproduction in Organisms
2. Sexual Reproduction in Plants
3. Human Repro....
4. Reproductive Health

**UNIT-7**

5. Principle of Inheritance
6. Molecular Basis.....
7. Evolution

**UNIT-8**

8. Human Health & .....
9. Strategies for .....
10. Microbes in Human .....

**UNIT-9**

11. Principle of Biotechnology
12. Applications of Biotechnologies

**UNIT-10**

13. Organisms & Population
14. Ecosystem
15. Biodiversity & Conservation
16. Environmental Issues

(Full Syllabus)

**PHYSICAL EDUCATION**

Unit-1 – Planning in Sports  
 Unit-2 – Sports and Nutrition  
 Unit-3 – Yoga and Life style  
 Unit-4 – Physical Education and sports for CWSN  
 Unit-5 – Children and Women in Sports

Unit-6 – Test and Measurement in Sports  
 Unit-7 – Physiology and Injuries in Sports  
 Unit-8 – Biomechanics & Sports  
 Unit-9 – Psychology & Sports  
 Unit-10 – Training in Sports

**ACCOUNTANCY**

Analysis of Financial Statements – Part-B  
 (All chapters – 1 to 6)

**Part-A - Partnership Accounts**

1. Partnership – Basic Concepts
2. Change in Pt Sharing Ratio
3. Admission of a Partner
4. Retirement of a Partner

I Term +

**Part-A - Partnership Accounts**

Death of a Partner  
 Dissolution of Partnership Firm  
**Company Accounts**  
 Accounting for Share Capital  
 Issue of Debentures  
 Redemption of Debentures

**BUSINESS STUDIES**

1. Nature & significance of Management
2. Principles of Management
3. Business Environment
4. Planning
5. Organising
6. Staffing
7. Directing
8. Controlling

I Term +

9. Financial Management
10. Financial Market
11. Marketing Management
12. Consumer Protection

**ECONOMICS****MACRO ECONOMICS**

1. Basic Concepts
2. National Income
3. Calculation of National Income
4. Money
5. Banking
6. Aggregate Demand & its Components
7. Short run Eq. Output
8. Prob. Of Deficient Demand
9. Govt. Budget
10. Foreign Exchange
11. B.O.P.

**MACRO ECONOMICS**

I Term +

**Indian Economic Development:**

- 1 – Indian Economy on the Eve of Independence
- 2 – Indian Economy
- 3 – Economic Reforms
- 4 – Poverty
- 5 – Human Capital Formation
- 6 – Rural Development
- 7 – Employment Growth
- 8 – Inflation
- 9 – Infrastructures
- 10 – Environment & Sustainable Development
- 11 – Development experience of India, Pakistan

## COMPUTER SCIENCE

Ch.-1 – Python Revision Tour  
Ch.2 – Python Revision Tour – II  
Ch. 3 – Working with Functions  
Ch.4 – Using Python Libraries  
Ch. 5 – File Handling  
Ch. 6 – Recursion  
Ch.7 – Idea of Algorithmic Efficiency  
Ch. 9 – Data Structures I : Linear Lists  
Ch.11 – Computer Networks – I  
Ch. 12 – Computer Networks – II  
Ch.13 – My SQL Revision Tour  
Ch.14 – More on SQL  
Ch. 17 – Society, Law and Ethics

I Term +  
Ch.8 – Data Visualization Using Pyplot  
Ch. 10 – Data Structures – II : Stacks and Queues  
Ch.15 – Creating a Django based Basic Web Application  
Ch.16 – Interface Python with My SQL