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**D.A.V. PUBLIC SCHOOL**

**Bazpur, U S Nagar, Uttarakhand-262401**

***Affiliated to CBSE, New Delhi***

**BIFURCATION OF SYLLABUS OF CLASS XI**

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| **S.No.** | **MONTH** | **ENGLISH** | **PHYSICS** | **CHEMISTRY** | **MATHEMATICS** | **BIOLOGY** | **PHE/IP** |
| 1 | APRIL | **HORNBILL** Ch 1-The Portrait of a Lady Poem: A Photograph **SNAPSHOTS** Ch 1- The Summer of the Beautiful White Horse  **GRAMMAR** 1.Determiners **READING/WRITING** **SKILL** Notice & Poster | 1. Physical World  2. Units & Measurement | Ch-1. Some Basic Concepts Of Chemistry | Ch-1. Sets  Ch-2. Relations And Functions | Ch.1.The Living World  Ch.2.Biological Classification | Unit - I. Changing trends and career in Physical Education/Basic computer organisation |
| 3. | MAY | **HORNBILL** Ch 2-“We’re not Afraid to Die……if we can all be together” **SNAPSHOTS** Ch 2- The Address Ch 3- Ranga’s Marriage **READING/WRITING** **SKILL** Article, Debate Writin **NOVEL(Up From Slavery)** Ch-1,2,3 | 3. Motion in Straight Line  4. Motion in Plane | Ch-2. Structure of Atom | Ch-3. Trigonometric Functions  Ch-4. Principle of Mathematical Induction | Ch.3.Plant Kingdom  Ch.4.Animal Kingdom | Unit -II. Olympic Movement Unit - III. Physical Fitness wellness and lifestyle/Relational Database  Use SQL command to create a table, keys |
| 4. | JULY | **HORNBILL** Ch 3-Discovering Tut: The Saga Continues Poem: The Voice of the Rain  **GRAMMAR** 2. Tenses **READING/WRITING** **SKILL** Reading Comprehension  Classifieds and Display **NOVEL (Up From Slavery)** Ch-4,5,6 | 5. Laws of Motion  6. Work, Energy & Power | Ch-3. Classification of Elements and Periodicity in Properties  Ch-4. Chemical Bonding | Ch-5. Complex No. and Quadratic Equation  Ch-6. Linear Inequalities | Ch.5.Morphology of Flowering Plants  Ch.6.Anatomy of Flowering Plants  Ch.7.Structural organisation in Animals | Unit IV – Physical Education and Sports for Differently Able  Unit -V. Yoga/Familiarization with the basic of Python Programming  Knowledge of Data type and operator  Conditional statements  Notion of iterative computation and control flow |
| 5. | AUGUST | **HORNBILL** Ch 4-The Ailing Planet Ch 5- The Browning Version **SNAPSHOTS** Ch 4: Albert Einstein at School **GRAMMAR** 3. Clauses 4. Modals **READING/WRITING** **SKILL** Note-Making Report Writing, Factual Description | 7. System of Particles and Rotational Motion  8. Gravitation | Ch-5. States of Matter:Gases and Liquids  Ch-6. Thermodynamics | Ch-7. Permutation & Combination  Ch-8. Binomial Theorem | Ch.8.Cell the Unit of Life  Ch.9.Bio molecules | Unit-VI. Physical Activity and Leadership  Unit-VII. Test and Measurement and sports/List and dictionary  Text handling  Introduction to python module. |
| 6. | SEPTEMBER | **HORNBILL** REVISION **SNAPSHOTS** REVISION **GRAMMAR** REVISION **READING/WRITING SKILL** REVISION **NOVEL (Up From Slavery)** REVISION | 9. Mechanical properties of solids | Ch-7. Equilibrium | Ch-9. Sequence And Series | Ch.10.Cell Cycle and Cell Division  Ch.11.Transport in Plants  Ch.12.Mineral Nutrition | Unit -VIII. Fundamental of Anatomy and Physiology  Unit-IX. Kinesiology,Biomechanics and sports/Introduction to data structure in python pandas  Operation on series |
| 7. | **TERM-II**  OCTOBER | **HORNBILL** Poem: Childhood Poem: Father to Son **SNAPSHOTS** Ch 5-Mother’s Day **GRAMMAR**5. Organising Sentences into Paragraphs **READING/WRITING** **SKILL** Formal Letters **NOVEL** **(Up From Slavery)** Ch-7,8,9,10,11 | 10. Mechanical properties of Fluids  11. Thermal Properties of solids | Ch-8. Redox Reactions  Ch-9. Hydrogen | Ch-10. Straight Lines  Ch-11. Conic Sections | Ch.13.Photosynthesis in Higher Plants  Ch.14.Respiration in Plants  Ch.15.Plant Growth and Development | Unit - X. Psychology & Sports/Data frame operations  Binary operation in Data Frame  Matching and Broadcasting operations |
| 8 | NOVEMBER | **SNAPSHOTS** Ch 6- Birth **GRAMMAR**6. Organising Words into Sentences **READING/WRITING SKILL** Letter to the EditorApplication for Job **NOVEL (Up From Slavery)** Ch-12,13 | 12. Thermodynamics  13. Kinetic Theory of Gases | Ch-10. s-Block Elements  Ch-11. Some p-Block Elements | Ch-12. Introduction To 3-Dimensional Geometry | Ch.16.Digestion and Absorption  Ch.17.Breathing and Exchange of Gases  Ch.18.Body Fluids and Circulation  Ch.19.Excretory Products and their Elimination | Unit - XI. Training in Sports/ Missing Data and filling values  Comparisons and Boolean reductions  Transfer data between CSV files/SQL database and data frame object |
| 9 | DECEMBER | **SNAPSHOTS** Ch 7- The Tale of Melon City **GRAMMAR**7. Transforming of Sentences **NOVEL (Up From Slavery)** Ch-14,15,16,17 | 14. Oscillations 15. Waves | Ch-12. Organic Chemistry: Some Basic Principles  Ch-13. Hydrocarbons | Ch-13. Limits & Derivative  Ch-14. Mathematical reasoning | Ch.20.Locomotion and Movement  Ch.21.Neural Control and Coordination | Unit- XII. Doping Training Unit  Basic SQL: select, project and join |
| 10 | JANUARY | **HORNBILL** REVISION **SNAPSHOTS** REVISION **GRAMMAR**  REVISION **READING/WRITING SKILL** REVISION **NOVEL (Up From Slavery)** REVISION | REVISION | Ch-14. Environmental Chemistry | Ch-15. Statistics Ch-16. Probability Supplementary Material | Ch.22.Chemical Coordination and Integration | Society, law and Ethics-Cyber Safety |