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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 WorldCh.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 FunctionsCh-4. Principle of Mathematical Induction | Ch.3.Plant KingdomCh.4.Animal Kingdom | Unit -II. Olympic Movement Unit - III. Physical Fitness wellness and lifestyle/Relational DatabaseUse 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 ComprehensionClassifieds 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 PropertiesCh-4. Chemical Bonding | Ch-5. Complex No. and Quadratic EquationCh-6. Linear Inequalities | Ch.5.Morphology of Flowering PlantsCh.6.Anatomy of Flowering PlantsCh.7.Structural organisation in Animals | Unit IV – Physical Education and Sports for Differently AbleUnit -V. Yoga/Familiarization with the basic of Python ProgrammingKnowledge of Data type and operatorConditional statementsNotion 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 Motion8. Gravitation | Ch-5. States of Matter:Gases and LiquidsCh-6. Thermodynamics | Ch-7. Permutation & CombinationCh-8. Binomial Theorem | Ch.8.Cell the Unit of LifeCh.9.Bio molecules | Unit-VI. Physical Activity and LeadershipUnit-VII. Test and Measurement and sports/List and dictionaryText handlingIntroduction 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 DivisionCh.11.Transport in PlantsCh.12.Mineral Nutrition | Unit -VIII. Fundamental of Anatomy and PhysiologyUnit-IX. Kinesiology,Biomechanics and sports/Introduction to data structure in python pandasOperation 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 ReactionsCh-9. Hydrogen | Ch-10. Straight LinesCh-11. Conic Sections | Ch.13.Photosynthesis in Higher PlantsCh.14.Respiration in PlantsCh.15.Plant Growth and Development | Unit - X. Psychology & Sports/Data frame operationsBinary operation in Data FrameMatching 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 AbsorptionCh.17.Breathing and Exchange of GasesCh.18.Body Fluids and CirculationCh.19.Excretory Products and their Elimination | Unit - XI. Training in Sports/ Missing Data and filling valuesComparisons and Boolean reductionsTransfer 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 PrinciplesCh-13. Hydrocarbons | Ch-13. Limits & DerivativeCh-14. Mathematical reasoning | Ch.20.Locomotion and MovementCh.21.Neural Control and Coordination | Unit- XII. Doping Training UnitBasic 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 |