UNIVERSAL ACADEMY DEHRA DUN SYLLABUS FOR EXAMINATION CLASS XII SCIENCE (2024-25)

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| S.NO | Subject | TERM | Syllabus | |
| 1. | CHEMISTRY | PT1 | 1.Solutions 2. Chemical Kinetics.  Examination Duration: 1 Hour Maximum Mark : 30 | |
|  | PT2 | 1.Solutions 2. Chemical Kinetics 3. Haloalkanes And Haloarene 4. Alcohol, Phenol and Ether5. Aldehyde, Ketones and Carboxylic Acids.6. Amines | |
|  | Examination Duration: 3 Hour Maximum Mark : 70 |
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|  | Pre- Board 1 | Complete Syllabus  Examination Duration: 3 Hour Maximum Mark : 70 | |
|  | Pre Board 2 | Complete Syllabus.  Examination Duration: 3 Hour Maximum Mark : 70 | |
| 2 | PHYSICS | PT1 | 1. Electric Charges And Fields 2. Electric Potential And Capacitance.  Examination Duration: 1 Hour Maximum Mark : 30 | |
|  | PT2 | 1. Current Electricity 2. Moving Charges And Magnetism  3.Magnetism And Matter 4.Electromagnetic Induction  5.Alternating Current.  Examination Duration: 3 Hour Maximum Mark : 70 | |

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|  |  | Pre- Board 1 | Complete Syllabus.  Examination Duration: 3 Hour Maximum Mark : 70 |
|  | Pre- Board 2 | Complete Syllabus.  Examination Duration: 3 Hour Maximum Mark : 70 |
| 3 | BIOLOGY | PT1 | Ch- 2 Sexual Reproduction in Flowering Plants Ch- 3 Human Reproduction Ch- 4 Reproductive Health.  Examination Duration: 1 Hour Maximum Mark : 30 |
|  | PT2 | Ch- 5 Principles Of Inheritance And Variation Ch – 6 Molecular Basis Of Inheritance Ch- 7 Evolution Ch- Organism and Population Ch-Ecosystem  Examination Duration: 3 Hour Maximum Mark : 70 |
|  | Pre Board 1 | Complete Syllabus.  Examination Duration: 3 Hour Maximum Mark : 70 |
|  | Pre Board 2 | Complete Syllabus.  Examination Duration: 3 Hour Maximum Mark : 70 |
| 4. | ENGLISH | PT1 | Reading: Comprehension  Writing: Notice, Letter to Editor, Article.  Literature: The Last Lesson, Lost Spring, Deep water, My Mother At Sixty Six, Keeping Quiet. |

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|  |  |  | Examination Duration: 1 Hour Maximum Mark : 30 |
|  |  | PT2 | Reading: Comprehension  Writing: Notice , Formal/Informal Invitation Replies,Job Application, Letter To Editor, Article.  Literature: Deep Water, The Rat Trap, Indigo, Things Of Beauty, Journey To The End Of Earth , Enemy, Keeping quiet, Third Level,Tiger King, Road Side Stand, Aunt Jennifer’s Tigers |
|  |  | Pre Board 1 | Complete Syllabus.  Examination Duration: 1 Hour Maximum Mark : 30 |
|  |  | Pre Board 2 | Complete Syllabus.  Examination Duration: 1 Hour Maximum Mark : 30 |
| 5 | IP | PT1 | Chapter 1: Python Pandas  Examination Duration: 1 Hour Maximum Mark : 30 |
| PT2 | Chapter 1: Python Pandas Ch2 Data Visualization.  Examination Duration: 3 Hour Maximum Mark : 70 |
| Pre Board 1 | Complete Syllabus  Examination Duration:3 Hour Maximum Mark : 70 |
| Pre Board 2 | Complete Syllabus |

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|  |  |  | Examination Duration: 3 Hour Maximum Mark : 70 |
| 6 | PE | PT1 | Unit I Management of Sporting Events Unit II Children & Women in Sports.  Examination Duration: 1 Hour Maximum Mark : 30 |
|  |  | PT2 | Unit I Management of Sporting Events Unit II Children & Women in Sports Unit III Yoga as Preventive measure for Lifestyle Disease. Unit IV Physical Education & Sports for CWSN (Children with Special Needs – Divyang) Unit V Sports & Nutrition.  Examination Duration: 3 Hour Maximum Mark : 70 |
|  |  | Pre Board 1 | Complete Syllabus  Examination Duration: 3 Hour Maximum Mark : 70 |
|  |  | Pre Board 2 | Complete Syllabus  Examination Duration: 3 Hour Maximum Mark : 70 |
| 7 | MATHS | PT1 | Relations and Function,  Inverse Trigonometric Functions, Matrix |
|  |  | PT2 | Relations and Function, Inverse Trignometric Functions, Matrix. , Determinants, Continuity and Differentiability, Application of Differentiation, Linear Programming, Integrals, Application of Integration. |
|  |  | Pre Board 1 | Complete Syllabus |

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|  |  | Pre Board 2 | Complete Syllabus |