



THE DOON YUDHISHTERA PUBLIC SCHOOL, DEHRADUN

SYLLABUS FOR FINAL EXAMINATION MARCH, 2024-25

CLASS-XI (Science)

ENGLISH LITERATURE:

Section A:

Reading Skills-

Unseen Passage

Section B:

Writing & Grammar-

1. Letter to the Editor 2. Job Letter 3. Notice 4. Poster 5. Advertisement
6. Debate 7. Speech 8. Editing paragraph 9. Transformation of Sentences

Section C:

Literature-

Hornbill:

1.The Portrait of a Lady 2. We're not afraid to Die..... if we can all be Together
3.Discovering Tut: The Saga Continues 4. The Adventure 5. Silk Road

Poem:

1. A photograph 2.The Tale of Melon City 3. The Laburnum Top 4. The Voice of the Rain 5. Childhood

Snapshots:

1.The Summer of the Beautiful White Horse 2. The Address 3. Mother's Day
4. Birth

MATHEMATICS:

1.Sets 2. Relations and Functions 3. Trigonometric Function 4. Complex Numbers 5. Linear Inequalities 6. Permutations and Combinations 7. Binomial Theorem 8. Sequences and Series 9. Straight lines 10.Conic Sections 11.Introduction to Three Dimensional Geometry 12. Limits and Derivatives 13. Statistics 14. Probability

PHYSICS:

1. Units and Measurement 2. Motion in a Straight Line, 3. Motion in a Plane
4. Laws of Motion 5. Work, Energy and Power 6. System of Particles and Rotational Motion 7. Gravitation 8. Mechanical Properties of Solids 9. Mechanical Properties of Fluids 10. Thermal Properties of Matter 11. Thermodynamics 12. Kinetic Theory 13. Oscillations 14. Waves

BIOLOGY:

1.The Living World 2. Biological Classification 3. Plant Kingdom 4. Animal Kingdom 5. Morphology of Flowering Plants 6. Anatomy of Flowering Plant 7. Structural Organization in Animals 8. Cell-The Unit of Life 9. Biomolecules 10. Cell Cycle and Cell Division 11. Photosynthesis in Higher Plants 12. Respiration in Plants 13. Plant-Growth and Development 14. Breathing and Exchange of Gases 15. Body Fluids & Circulation 16. Excretory Products and their Elimination 17. Locomotion and Movement 18. Neural Control and Coordination 19. Chemical Coordination and Integration.

CHEMISTRY:

1.Some Basic Concept of Chemistry 2. Structure of Atom 3. Classification of Elements and Periodicity in Properties. 4. Chemical Bonding and Molecular Structure 5. Chemical Thermodynamics 6. Equilibrium 7. Redox Reactions 8. Organic Chemistry-Some Basic Principles and Techniques 9. Hydrocarbons

PHYSICAL EDUCATION: 1.Changing Trends and Career in Physical Education 2. Olympic Value Education 3.Yoga 4. Physical Education and Sports for Children with Special Needs 5.Physical Fitness, Wellness and Lifestyle 6. Test, Measurement and Evaluation 7.Fundamental of Anatomy, Physiology in Sports 8. Fundamental of Kinesiology and Biomechanics in Sports 9. Psychology and Sports 10. Trainings, Doping in Sports

FINE ARTS: 1. Six Limbs of Indian Painting and Fundamentals 2. Elements and Principles of Visual Arts 3. Pre-Historic Rock Paintings 4. Buddhist, Jain and Hindu Art 5.Artistic Aspects of Indian Temples 6. Artistic Aspects of Indo-Islamic Architecture.

ECONOMICS:

INDRODUCTORY MICROECONOMICS:

1. Economics and Economy 2. Central Problems of Economy 3. Consumer Equilibrium 4. Consumer Equilibrium-Indifference Curve Analysis 5. Theory of Demand 6. Price Elasticity of Demand 7. Production Function on Return to a Factor 8.Concept of Cost 9. Concept of Revenue 10. Producer's Equilibrium 11.Theory of Supply 12. Forms of Market: Perfect Competition 13. Market Equilibrium under Perfect Competition and Effects of Shift in Demand and Supply.

STATISTIC FOR ECONOMICS

1.Concept of Economics and Significance of Statistics in Economics 2.Collection of Data 3.Census and Sample methods of Collection of Data 4.Organisation of Data 5. Presentation of Data-Textual and Tabular Presentation 6.Diagrammatic Presentation of Data-Bar Diagrams and Pie Diagrams 7. Frequency Diagrams-Histogram, Polygon and Ogive 8. Arithmetic Line-Graphs or Time Service Graphs 9. Measures of Central Tendency-Arithmetic Mean 10.Measures of Central Tendency-Median and Mode 11. Correlation 12. Index Numbers

COMPUTER SCIENCE :

1.Computer System and Organization 2. Software Concept and Operating System 3. Boolean Logic and Number System 4. Introduction to Python-Basic 5. Flow of Execution 6. Python Strings 7. Python Lists 8. Python Tuple 9. Python Dictionary 10.Cyber Safety