



# **THE DOON YUDHISHTERA PUBLIC SCHOOL, DEHRADUN**

## **SYLLABUS FOR HALF YEARLY EXAMINATION 2025-26**

### **CLASS-XII (SCIENCE)**

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#### **ENGLISH LITERATURE:**

##### **FLAMINGO:**

1. The Last lesson
2. Lost Spring
3. Deep Water
4. Indigo
5. The Rattrap
6. Poets and Pancakes

##### **POEM:**

1. My Mother at Sixty-Six
2. Keeping Quiet
3. A Thing of Beauty
4. Aunt Jennifer's Tigers
5. A Roadside Stand

##### **VISTAS:**

1. The Third Level
2. The Tiger King
3. The Enemy
4. On the Face of It
5. Journey to the End of the Earth

#### **WRITING SECTION:**

1. Notice
2. Letter Writing
3. Job Letter
4. Letter to the Editors
5. Formal/Informal Invitations and Replies
6. Article Writing
7. Report Writing

#### **READING SECTION:**

1. Unseen Passages

#### **MATHEMATICS:**

1. Relations and Functions
2. Inverse Trigonometric Functions
3. Matrices
4. Determinants
5. Continuity and Differentiability
6. Applications of Derivatives
7. Probability
8. Vector Algebra
9. Three Dimensional Geometry
10. Linear Programming

#### **CHEMISTRY:**

1. Solutions
2. The d-and f-Block Elements
3. Haloalkanes and Haloarenes
4. Alcohols, Phenols and Ethers
5. Aldehydes, Ketones and Carboxylic Acid
6. Amines
7. Biomolecules

#### **PHYSICS:**

##### **Part 1-**

1. Electrostatic Charges and Fields
2. Electrostatic Potential and Capacitance
3. Current and Electricity
4. Electromagnetic Induction
5. Electromagnetic waves

##### **Part 2-**

1. Ray Optics and Optical Instruments
2. Wave Optics
3. Dual Nature of Radiation and Matter
4. Atoms
5. Nuclei
6. Semiconductor Electronics

**BIOLOGY:****Reproduction**

1. Sexual Reproduction in Flowering Plants 2. Human Reproduction 3. Reproductive Health

**Genetics & Evolution**

1. Principles of Inheritance & Variations 2. Molecular Basis of Inheritance 3. Evolution

**Biology in Human Welfare**

1. Human Health & Disease 2. Microbes in Human Welfare

**Ecology**

1. Organisms and Populations 2. Ecosystem 3. Biodiversity and Conservation

**COMPUTER SCIENCE:**

1. Python Functions 2. File Handling 3. Text File Handling 4. Binary File Handling  
5. CSV File Handling 6. Data Structure in Python 7. Computer Networking  
8. Python Revision-I 9. Python Revision-II 10. Simple Queries in SQL 11. More on SQL  
12. Interface Python with My SQL

**PHYSICAL EDUCATION:**

1. Management of Sporting Events 2. Children and Women in Sports 3. Physical Education and Sports for CWSN 4. Biomechanics & Sports 5. Psychology & Sports  
6. Sports and Nutrition 7. Training in Sports