

DR. VIRENDRA SWARUP EDUCATION CENTRE, N-BLOCK
HALF YEARLY SYLLABUS
CLASS XII — SCIENCE

ENGLISH LITERATURE & WRITING SKILLS

I) Flamingo

- 1. The Last Lesson
- 2. Lost Spring
- 3. Deep Water
- 4. Indigo
- 5. The Rattrap
- 6. Poets & Pancakes
- 7. The Interview
- 8. Going Places

(Poems)

- 1. My Mother at 66
- 2. Keeping Quiet
- 3. A Thing of Beauty
- 4. A Roadside Stand
- 5. Aunt Jennifer's Tigers

II) Vistas

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

Writing Skills

- 1. Letter to Editor
- 2. Report Writing
- 3. Notice Writing
- 4. Invitations & Replies
- 5. Article Writing
- 6. Job Application

PHYSICS

- 1. Electric Charges and Fields
- 2. Electrostatic Potential and Capacitance
- 3. Current Electricity
- 4. Moving Charges and Magnetism
- 5. Magnetism and Matter
- 6. Electromagnetic Induction
- 7. Alternating Current
- 8. Electromagnetic Waves
- 9. Dual Nature of Radiation and Matter
- 10. Atoms
- 11. Nuclei
- 12. Semiconductor Devices

CHEMISTRY

- 1. Solutions
- 2. Electrochemistry
- 3. Chemical Kinetics
- 4. D and F Block Elements
- 5. Coordination Compounds
- 6. Haloalkanes and Haloarenes
- 7. Alcohol, Phenol and Ethers
- 8. Aldehyde, Ketones and Carboxylic Acids
- 9. Amines
- 10. Biomolecules

BIOLOGY

- 1. Sexual Reproduction in Flowering Plants
- 2. Human Reproduction
- 3. Reproductive Health
- 4. Principles of Inheritance and Variation
- 5. Molecular Basis of Inheritance
- 6. Evolution
- 7. Human Health and Disease
- 8. Microbes in Human Welfare
- 9. Biotechnology: Principles and Processes
- 10. Biotechnology and Its Applications
- 11. Organisms and Populations
- 12. Ecosystem
- 13. Biodiversity and Conservation

MATHEMATICS

- Chapter 1: Relation and Functions
- Chapter 2: Inverse Trigonometric Function
- Chapter 3: Matrices
- Chapter 4: Determinants
- Chapter 5: Continuity and Differentiability
- Chapter 6: Application of Derivative
- Chapter 7: Integrals
- Chapter 8: Application of Integration
- Chapter 9: Differential Equation
- Chapter 10: Vector Algebra
- Chapter 11: 3-D
- Chapter 12: L.P.P.
- Chapter 13: Probability

COMPUTER SCIENCE

- Ch 1: Python Revision Tour - 1
- Ch 2: Python Revision Tour - 2
- Ch 3: Working with Function
- Ch 4: Using Python Libraries
- Ch 5: File Handling
- Ch 6: Data Structure - Stack
- Ch 7: Communication and Network Concepts
- Ch 8: Relational Database
- Ch 9: Simple Queries in SQL

- Ch 10: Table Creation and Data Manipulation
- Ch 11: Grouping Records, Joins
- Ch 12: Interface Python with MYSQL

HINDI (हिंदी)

आरोह — काव्य खण्ड

- 1. आत्म परिचय, एक गीत
- 2. पतंग
- 3. कविता के बहाने, बात सीधी थी पर
- 4. कैमरे में बंद अपाहिज
- 5. उषा
- 6. बादल राग
- 7. तुलसीदास
- 8. रुबाइयाँ
- 9. छोटा मेरा खेत, बगुलों के पंख

आरोह — गद्य खण्ड

- 1. भक्तिन
- 2. बाज़ार दर्शन
- 3. काले मेघा पानी दे
- 4. पहलवान की ढोलक
- 5. शिरीष के फूल
- 6. बाबा साहेब भीमराव अंबेडकर

वितान

- 1. सिल्वर वैडिंग
- 2. जूझ
- 3. अतीत में दबे पाँव

अभिव्यक्ति और माध्यम

- विभिन्न माध्यमों के लिए लेखन
- पत्रकारीय लेखन के विभिन्न रूप और लेखन प्रक्रिया
- फ़ीचर व आलेख लेखन
- कैसे बनती है कविता, कैसे लिखें कहानी, नाटक लिखने का व्याकरण
- विशेष लेखन स्वरूप और प्रकार
- कैसे करें कहानी का नाट्य रूपांतरण
- कैसे बनता है रेडियो नाटक
- रचनात्मक लेख
- अपठित गद्यांश, अपठित काव्यांश