

DR. VIRENDRA SWARUP EDUCATION CENTRE, N-BLOCK

HALF YEARLY EXAMINATION - 2026

CLASS XI (SCIENCE) — SYLLABUS

ENGLISH

Hornbill	The Portrait of a Lady We're Not Afraid to Die... If We Can All Be Together Discovering Tut: The Saga Continues The Adventure
Poem	A Photograph The Laburnum Top The Voice of the Rain Childhood
Snapshots	The Summer of the Beautiful White Horse The Address The Tale of Melon City Birth
Writing Skills	Everything done till date
Grammar	Omission, Editing, Reordering sentences, Transformation of sentences

PHYSICS

Chapters / Units	1. Physical world and measurement 2. Units and measurement 3. Motion in a straight line 4. Motion in a plane 5. Laws of motion 6. Work, Energy and Power 7. Rotational motion 8. Gravitation 9. Mechanical properties of Solids 10. Mechanical properties of Fluids
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CHEMISTRY

Chapters / Units	1. Some Basic Concepts of Chemistry 2. Structure of Atom 3. Classification of Elements & Periodicity in Properties 4. Chemical Bonding and Molecular Structure 5. Redox Reaction 6. Organic Chemistry: Some Basic Principles and Techniques
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BIOLOGY

Chapters / Units	1. The Living World 2. Biological Classification 3. Plant Kingdom 4. Animal Kingdom 5. Morphology of Flowering Plants 6. Anatomy of Flowering Plants 7. Structural Organisation in Animals 8. Breathing and Exchange of Gases 9. Body Fluids and Circulation 10. Excretory Products and Their Elimination 11. Locomotion and Movement 12. Neural Control and Coordination 13. Chemical Coordination and Integration 14. Cell – The Unit of Life
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MATHEMATICS

Chapters / Units

1. Sets
2. Relations and Functions
3. Trigonometric Functions
4. Complex Numbers
5. Principle of Mathematical Induction
6. Linear Inequalities
7. Permutations and Combinations
8. Binomial Theorem
9. Sequences and Series
10. Straight Lines
11. Limits and Derivatives

COMPUTER SCIENCE

Chapters / Units

- Ch 1: Computer System Overview
- Ch 2: Data Representation
- Ch 3: Boolean Logic
- Ch 5: Getting Started with Python
- Ch 6: Python Fundamentals
- Ch 7: Data Handling
- Ch 8: Introduction to Python Modules
- Ch 9: Flow of Control
- Ch 10: String Manipulation
- Ch 12: Tuples

HINDI (हिंदी)

आरोह – काव्य खंड

1. कबीर
2. मीरा
3. घर की याद
4. चंपा काले-काले अक्षर नहीं चीन्हती
5. गजल

आरोह – गद्य खंड

1. नमक का दरोगा
2. मियाँ नसीरुद्दीन
3. अपू के साथ ढाई साल
4. विदाई संभाषण
5. गलता लोहा
6. रजनी

वितान

1. लता मंगेशकर (भारतीय गायिकाओं में बेजोड़ : लता मंगेशकर)
2. राजस्थान की रजत बूंदें

अभिव्यक्ति और माध्यम

1. जनसंचार माध्यम
2. पत्रकारिता के विविध आयाम
3. डायरी लिखने की कला
4. कथा पटकथा
5. कार्यालयी लेखन और प्रक्रिया
6. अपठित गद्यांश
7. अपठित काव्यांश
8. रचनात्मक लेखन
9. पत्र

PHYSICAL EDUCATION

1. Changing Trends & Career in Physical Education
2. Olympism Value Education
3. Yoga
4. Physical Education and Sports for CWSN
5. Physical Fitness, Wellness & Lifestyle
6. Test, Measurements & Evaluation
7. Fundamentals of Anatomy, Physiology in Sports