

DR. VIRENDRA SWARUP EDUCATION CENTRE, JAIMAU
SYLLABUS FOR THE II TERM EXAMINATION (2026-27)
CLASS – XI

MATHEMATICS

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|----------------------------|----------------------------------|
| 1. Set theory | 6. Permutations and Combinations |
| 2. Relation and functions | 7. Binomial Theorem |
| 3. Trigonometric functions | 8. Sequence and Series |
| 4. Complex Numbers | 9. Straight Lines |
| 5. Linear inequalities | 10. Conic Sections |

BIOLOGY

UNIT-1 (Diversity in Living World)

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|------------------------------|-------------------|
| 1 The living world . | 3 Plant Kingdom. |
| 2 Biological classification. | 4 Animal kingdom. |

UNIT-2 (Structural organisation in plants and animals)

- 5 Morphology of flowering plants.
- 6 Anatomy of flowering plant.
- 7 Structural organisation in animals.

UNIT-3 (Cell structure and function)

- 8 Cell the unit of life.
- 9 Biomolecules.
- 10 Cell cycle and cell division.

Unit-4 (Plant Physiology)

- 11.Plant growth and Development.

PHYSICS

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|-----------------------------|--|
| 1. Units and measurement. | 6.System of particle and rotational motion |
| 2. Motion in straight line. | 7.Gravitation |
| 3. Motion in a plane. | 8.Mechanical properties of solids |
| 3. Laws of motion. | 9. Oscillation and waves |
| 5. Work, power and energy. | |

ENGLISH

READING

- 1. Comprehension
- 2. Note- Making

ADVANCED WRITING

- Classified Advertisement (Situation Vacant/ Wanted, Sale/ Purchase, To-Let, Missing Persons/Pets)
- 2. Poster Drafting
- 3. Speech Writing
- 4. Debate Writing

GRAMMAR

1. Sentence Reordering
2. Gap Filling
3. Transformation of sentences

LITERATURE

HORNBILL

PROSE

1. The Portrait of a lady
2. We're not afraid to die
3. Discovering Tut
4. The Adventure
5. Silk Road

POETRY

1. A Photograph
2. The Laburnum Top
3. The Voice of the Rain
4. Childhood

SNAPSHOTS

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

HINDI

आरोह भाग-1 (गद्य)

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- नमक का दारोगा
- मियाँ नसीरुद्दीन
- अपू के साथ ढाई साल
- विदाई संभाषण

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- कबीर (पद 1)
- * मीरा (पद 1)
- * घर की याद

- गलता लोहा

- * रजनी

आरोह भाग- 1(काव्य)

- * चंपा काले-काले अच्छर नहीं चीन्हती

- * गजल

- * अक्क महादेवी के दोनों वचन

वितान भाग- 1

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- भारतीय गायिकाओं में बेजोड़ लता मंगेशकर
- राजस्थान की रजत बूंदें

अभिव्यक्ति और माध्यम

•पाठ-1 जनसंचार माध्यम

•पाठ-2 पत्रकारिता के विविध आयाम

\* पाठ 9 डायरी लेखन की कला

पाठ 10 कथा पटकथा

Q•पाठ15 स्ववृत्त लेखन और रोजगार संबंधी लेखन

•पाठ 16 कोश : एक परिचय

•अपठित गद्यांश /काव्यांश

● पत्र-लेखन

●रचनात्मक- लेख

### **COMPUTER SCIENCE**

1. Computer Overview
2. Data Representation
3. Boolean Algebra
4. Getting started with Python
5. Python Fundamentals
6. Data Handling
7. Python Module
8. Flow of Control
9. String Manipulation
10. List Manipulation
11. Tuple
12. Cyber Safety

### **CHEMISTRY**

- 1- Some Basic Concepts of Chemistry
- 2- Structure of Atom
- 3-Classification of elements and periodicity in properties
- 4-Chemical Bonding and Molecular Structure
- 5-Redox Reactions
- 6-Thermodynamics