# SUGHAR SINGH ACADEMY (SWARN JAYANTI VIHAR)
## I TERM EXAM SYLLABUS (2024-25)
## CLASS-XI Science

| Subject | Syllabus |
|---|---|
| **English** | **Hornbill:** - 1- The Portrait of a Lady, 2- We are not Afraid to Die, 3- Discovering Tut, 4- The Adventure<br>**Poem:** - A Photograph, The Laburnum Top, The Voice of the Rain<br>**Snapshots:** - Ch-1- The Summer of the Beautiful White Horse, 2- The Address, 3- Mother's Day<br>**Writing Skills:** - Advertisements , Posters, Speech, Debate, Grammar and Comprehension Passage, Note making |
| **Hindi** | **आरोह गद्य खंड :** 1. नमक का दरोगा, 2. अपू के साथ ढाई साल, 3. मियां नसीरुद्दीन, 4. गलता लोहा, 5. विदाई संभाषण<br>**काव्य खंड :** 1. मीरा, 2.घर की याद, 3.चंपा काले काले अच्छर नहीं चीन्हती, 4. ग़ज़ल<br>**वितान :** 1.लता मंगेशकर, 2.राजस्थान की रजत बूंदे,<br>**अभिव्यक्ति और माध्यम :** 1.पत्र, 2.डायरी लेखन, 3.प्रतिवेदन, 4.रचनात्मक लेख, कार्य सूची, प्रेस विज्ञप्ति, जनसंचार, पत्रकारिता, अपठित गद्यांश और काव्याँश |
| **Mathematics** | 1. Set Theory, 2. Relations and functions, 3. Trigonometric functions, 4. Complex Numbers, 5. Linear Inequalities, 6. Permutations and combinations, 7. Binomial theorem, 8. Sequence and series |
| **Physics** | 1-unit and measurement, 2-dimensional analysis, 3- vector, 4-motion in 1- dimensional & 2-dimensional, 5- circular motion, 6-laws of motion & friction, 7-work power and energy, 8-rotational motion & centre of mass |
| **Chemistry** | 1. Some basic concepts of chemistry, 2. Structure of atom, 3. Periodic classification, 4. Redox reactions, 5. General organic chemistry |
| **Biology** | 1. The living world, 2.Biological classification, 3. Plant Kingdom, 4.Morphology of flowering plants, 5.Anatomy of flowering plants, 6. Structural organisations in animals, 7. Cell: The unit of life, 8. Cell cycle and cell division |
| **Computer** | 2.Encoding Schemes and Number System, 4.Introduction to Problem Solving, 5.Getting Started with Python, 6.Flow of Control, 7.Functions, 8.Strings |
| **Physical Education** | 1.Changing trends and career in physical education, 2.Olympic value Education, 3.Yoga, 4.Physical Education and sports for CWSN, 5.Physical fitness, Health and Wellness, 6.Test and measurement |