

**BIRLA DIVYA JYOTI**  
**SYLLABUS FOR THE ACADEMIC SESSION: 2023-24**  
**Class: XI SCIENCE**

	<b>English</b>	<b>Physics</b>	<b>Mathematics</b>	<b>Chemistry</b>
Periodical I	<p><b>HORNBILL – Prose</b>            1. The Portrait of a Lady            2. We’re not Afraid to Die...If We Can All be Together</p> <p><b>Poem</b>            1. A Photograph            2. The Laburnum Top</p> <p><b>SNAPSHOTS –</b>            1. The Summer of the Beautiful White Horse</p> <p><b>GRAMMAR –</b></p> <ul style="list-style-type: none"> <li>• Re-ordering/transformation of sentences</li> <li>• Tenses – Gap Filling</li> <li>• Clauses – Gap Filling</li> </ul> <p><b>WRITING SKILL –</b></p> <ul style="list-style-type: none"> <li>• Notice</li> <li>• Classified Advertisement</li> </ul> <p><b>READING SKILL –</b></p> <ul style="list-style-type: none"> <li>• Comprehension</li> </ul> <p>Note Making and Summarization</p>	Chapter–2 Chapter–3	Chapter 1 Chapter 2 Chapter 3	Chapter 1 Chapter 2 Chapter 3
Periodical II	<p><b>HORNBILL – Prose</b>            1. The Portrait of a Lady            3. Discovering Tut – the Saga continues            4. Landscape of the Soul</p> <p><b>Poem</b>            3. The Voice of the Rain            2. The Laburnum Top</p> <p><b>SNAPSHOTS –</b>            2. The Address            3. Ranga’s Marriage            4. Albert Einstein at School</p> <p><b>WRITING SKILL –</b></p> <ul style="list-style-type: none"> <li>• Notice</li> <li>• Poster Designing</li> </ul>	Chapter–2 Chapter–3 Chapter–4 Chapter–5 Chapter–6 Chapter–7 Chapter–8	Chapter 1 Chapter 2 Chapter 3 Chapter 4 Chapter 5 Chapter 6 Chapter 7 Chapter 8 Chapter 9	Chapter 1 Chapter 2 Chapter 3 Chapter 4 Chapter 6 Chapter 7 Chapter 8 Chapter 9

	<ul style="list-style-type: none"> <li>Classified Advertisement</li> <li>Article</li> <li>Speech</li> <li>Formal Letter (Business/Official Letters)</li> <li>Letters to the Editor</li> <li>Job Application</li> </ul> <p><b>READING SKILL –</b></p> <ul style="list-style-type: none"> <li>Comprehension</li> </ul> <p>Note Making and Summarization</p>			
Periodical III	<p><b>HORNBILL – Prose</b></p> <p>2. We're not Afraid to Die...If We Can All be Together 5. The Ailing Planet: The Green Movement's Role 6. The Browning Version 7. The Adventure</p> <p><b>Poem</b></p> <p>3. The Voice of the Rain 2. The Laburnum Top 4. Childhood 5. Father to Son</p> <p><b>SNAPSHOTS –</b></p> <p>4. Albert Einstein at School 5. Mother's Day J.B. Priestley 6. The Ghat of the Only World</p> <p><b>WRITING SKILL –</b></p> <ul style="list-style-type: none"> <li>Letters to the Principal/School or College Authorities</li> <li>Report</li> <li>Narrative</li> </ul> <p>Debate</p>	Chapter-9 Chapter-10 Chapter-11 Chapter-12	Chapter 10 Chapter 11 Chapter 12 Chapter 14	Chapter 10 Chapter 11 Chapter 12  Chemistry Some Basic Principles and Techniques  Chapter 13
Periodical IV	<b>SYLLABUS FOR P4 (full book test)</b>	<b>Full Book</b>	<b>Full Book</b>	<b>Full Book</b>

	<b>Physical Education</b>	<b>Economics</b>	<b>Entrepreneurship</b>	<b>Hindustani Vocal</b>
Periodical I	<p>Health &amp; Physical Education: Unit I Changing Trends &amp; Career in Physical Education</p> <ul style="list-style-type: none"> <li>Concept, Aims &amp; Objectives of Physical Education</li> <li>Changing trends in sports – playing surface, wearable gears and sports equipment's, technological advancements</li> <li>Career Options in Physical Education</li> <li>Khelo-India and Fit India Program</li> </ul> <p>Practical: physical fitness development and record book</p>	Part A Statistics for Economics Chap 1 Chap 2	Unit 1 Unit 2	Chapter -1 Theory PRACTICAL-Raag Bihag, Bhairavi and Bhipalasi Vilambit kheyal with taans

	<p>Unit II: Olympism Value Education</p> <ul style="list-style-type: none"> <li>• Ancient and modern Olympics, Paralympics and Special Olympics</li> <li>• Olympism – concept and Olympics Values (Excellence, Friendship &amp; Respect)</li> <li>• Olympics – Symbols, Motto, Flag, Orth and Anthem</li> <li>• Olympics movement structure – IOC, NOC, IFS, other members</li> </ul> <p>Practical: physical fitness development and record book</p>	Part B: Introductory Microeconomics Chap 1		& BHAJAN
Periodical II	<p>Unit III: Yoga:</p> <ul style="list-style-type: none"> <li>• Meaning &amp; Importance of Yoga</li> <li>• Introduction to Astanga Yoga</li> <li>• Introduction to Yogic Kriyas (Shat karma)</li> </ul> <p>Unit III: Yoga:</p> <ul style="list-style-type: none"> <li>• Meaning &amp; Importance of Yoga</li> <li>• Introduction to Astanga Yoga</li> <li>• Introduction to Yogic Kriyas (Shat karma)</li> </ul> <p>Unit IV: Physical Education &amp; Sports for CWSN (Children with Special Needs - Divyang)</p> <ul style="list-style-type: none"> <li>• Concept of Disability and Disorder</li> <li>• Types of Disability, its causes &amp; nature (Intellectual disability, Physical disability)</li> <li>• Aim &amp; Objective of Adaptive Physical Education</li> <li>• Role of various professionals for children with special needs (Counsellor, Occupational Therapist, Physiotherapist, Physical Education Teacher, Speech Therapist &amp; Special Educator)</li> </ul> <p>Practical: yogic practices, physical fitness development and record book</p> <p>Unit V: Physical Fitness, Health and Wellness</p> <ul style="list-style-type: none"> <li>• Meaning and Importance of Wellness, Health and Physical Fitness</li> <li>• Components/Dimensions of Wellness, Health and Physical Fitness</li> <li>• Traditional Sports &amp; Regional Games for promoting wellness</li> </ul> <p>Practical: yogic practices, physical fitness development and record book and skill development</p> <p>Unit VI: Test, Measurement &amp; Evaluation</p> <ul style="list-style-type: none"> <li>• Concept of Test, Measurement &amp; Evaluation in Physical Education &amp; sports.</li> <li>• Classification of Test in Physical Education and Sports.</li> <li>• Test administration guidelines in physical education and sports</li> </ul> <p>Practical: yogic practices, physical fitness development and record book and skill development</p>	<p>Part A Statistics for Economics Chap 1 Chap 2 Chap 3 Chap 4 Chap 5 Chap 6</p> <p>Part B: Introductory Microeconomics Chap 1 Chap 2</p>	Unit 1 Unit 2 Unit 3 Unit 4	Chapter -2, 3, 4 THEORY- Life Sketch, Dhrupad Kheyal Tarana & Natya shastra. PRACTICAL - DHRUPAD & TAALAS
Periodical III	<p>Unit VII: Fundamentals of Anatomy, Physiology in Sports</p> <ul style="list-style-type: none"> <li>• Definition and Importance of Anatomy and Physiology in exercise and sports</li> <li>• Functions of Skeletal system, classification of bone and types of joints.</li> <li>• Function and Structure of Circulatory system and heart.</li> <li>• Function and Structure of Respiratory system.</li> </ul> <p>Practical: yogic practices, physical fitness development and record book and skill development</p> <p>Unit VIII: Fundamentals of Kinesiology and Biomechanics in Sports</p> <ul style="list-style-type: none"> <li>• Definition and Importance of Kinesiology and Biomechanics in sports</li> <li>• Principles of Biomechanics</li> <li>• Types of Body Movements - Flexion, Extension, Abduction, Adduction, Rotation,</li> </ul>	Part B: Introductory Microeconomics Chap 3 Chap 4 Chap 7	Unit 5 Unit 6	<p>Theory- Knowledge of TANPURA, Prescribed ragas Notation</p> <p>PRACTICAL- Recognize the prescribed ragas.</p>

	<p>Circumduction, Supination &amp; Pronation</p> <ul style="list-style-type: none"> <li>• Axis and Planes – Concept and its application in body movements</li> </ul> <p>Practical: yogic practices, physical fitness development and record book and skill development</p> <p>Unit IX: Psychology &amp; Sports</p> <ul style="list-style-type: none"> <li>• Definition &amp; Importance of Psychology in Physical Education &amp; Sports</li> <li>• Adolescent Problems &amp; Their Management</li> <li>• Team Cohesion and Sports</li> </ul> <p>Practical: yogic practices, physical fitness development and record book and skill development</p>			
Periodical IV	<b>Full book</b>	<b>Full book</b>	<b>Full book</b>	<b>Full book</b>

	<b>Information Practices</b>	<b>Computer Science</b>	<b>Psychology</b>	<b>Sociology</b>
Periodical I	Chapter 2 Chapter 3	Chapter 1 Chapter 2 Chapter 3	Chapter 1  Chapter 2	Chapter 1 Chapter 2
Periodical II	Chapter 3 Chapter 4 Chapter 5 Chapter 6	Chapter 3 Chapter 4 Chapter 5 Chapter 6 Chapter 7 Chapter 8 Chapter 9 Chapter 10	Chapter 1 Chapter 2 Chapter 4 Chapter 5	Chapter 1 Chapter 2 Chapter 3 Chapter 4
Periodical III	Chapter 1 Chapter 7 Chapter 8	Chapter 11 Chapter 12 Chapter 13	Chapter 6 Chapter 7 Chapter 8	Chapter 7 Chapter 9
Periodical IV	<b>Full book</b>	<b>Full book</b>	Chapter 6 Chapter 7 Chapter 8 Chapter 9	Chapter 1 Chapter 2 Chapter 3 Chapter 4 Chapter 7 Chapter 9