



**THE ADITYA BIRLA PUBLIC SCHOOL
BHUBANESWAR**



ADITYA BIRLA GROUP

CBSE AFFILIATION NO. 1530269

SYLLABUS BREAKUP (2023-24)

CLASS-XI SCIENCE



For admissions contact-6370774005, 7978492354

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SUBJECT TEACHERS

SUBJECT	NAME OF THE SUBJECT TEACHER	BOOKS
ENGLISH	Mr. ANANDA MUKHERJEE	Hornbill Snapshots
MATHEMATICS	Mr. NAVANEET KESHARI	NCERT+EXEMPLAR
PHYSICS	Mr. KOUSHIK MAJEE	NCERT
CHEMISTRY	Mr PARTHA MITRA	NCERT Chemistry for Class XI (Volume-I and II)
BIOLOGY	Mr. HIMADRI RANJAN GHOSH RAY	NCERT
PHYSICAL EDUCATION	Mr. LAXMAN VERMA	Introduction of Physical Education (ACP Publications) NCERT Publications

TERM-WISE SYLLABUS BREAKUP

ENGLISH	UNIT TEST-I	<p>Reading: Comprehension (Factual and Discursive) Writing: Advertisement and Speech Literature: Book-Hornbill 1. The Portrait of a Lady 2. A Photograph Book- Snapshots 1. Summer of the beautiful White Horse Grammar: Tenses</p>
	HALF YEARLY EXAMINATION	<p>Reading: Comprehension (Factual and Discursive), Note Making and Summarising Writing: Poster drafting, Advertisement, Speech writing Literature: Book-Hornbill 1. The Portrait of a Lady (Prose) 2. A Photograph (Poem) 3. “We’re Not Afraid to Die... if We Can be Together 4. Discovering Tut: The Saga Continues 5. The Laburnum Top (Poem) Book- Snapshots 1. The Summer of the Beautiful White Horse (Prose) 2. The Address (Prose) 3. Mother’s Day (Play) Grammar: Tenses</p>
	UNIT TEST--II	<p>Reading: Comprehension (Factual and Discursive) Writing: Debate Writing Literature: Book-Hornbill 1. Childhood (Poem) 2. The Adventure (Prose) Snapshots: Birth (Prose) Grammar: Clauses</p>
	ANNUAL EXAMINATION	<p>Reading: Comprehension (Factual and Discursive), Note Making and Summarising Writing: Poster drafting, Advertisement, Speech writing, Debate writing Literature: Book-Hornbill 1. •The Portrait of a Lady (Prose) 2. •A Photograph (Poem) 3. • “We’re Not Afraid to Die... if We Can be Together 4. •Discovering Tut: The Saga Continues 5. •The Laburnum Top (Poem) 6. The Voice of the Rain (Poem) 7. •Childhood (Poem) 8. The Adventure 9. •Silk Road (Prose) 10. Father to Son (Poem)</p>

		Book- Snapshots <ol style="list-style-type: none"> 1. • The Summer of the Beautiful White Horse (Prose) 2. • The Address (Prose) 3. Mother's Day (Play) 4. Birth (Prose) 5. The Tale of Melon City Grammar: Tenses, Clauses
MATHEMATICS	UNIT TEST--I	<ol style="list-style-type: none"> 1. Sets 2. Relations and Functions 3. Trigonometric Functions 4. Complex Numbers and Quadratic Equations
	HALF YEARLY EXAMINATION	<ol style="list-style-type: none"> 1. Sets 2. Relations and Functions 3. Trigonometric Functions 4. Complex Numbers and Quadratic Equations 5. Linear Inequalities 6. Permutations and Combinations 7. Binomial Theorem
	UNIT TEST--II	<ol style="list-style-type: none"> 8. Sequences and Series 9. Straight Lines 10. Conic Sections
	ANNUAL EXAMINATION	<ol style="list-style-type: none"> 1. Sets 2. Relations and Functions 3. Trigonometric Functions 4. Complex Numbers and Quadratic Equations 5. Linear Inequalities 6. Permutations and Combinations 7. Binomial Theorem 8. Sequences and Series 9. Straight Lines 10. Conic Sections 11. Introduction to Three-Dimensional Geometry 12. Limits and Derivatives 13. Statistics 14. Probability
PHYSICS	UNIT TEST-I	Physical world and measurement, Units and measurements, Motion in straight line, Vectors
	HALF YEARLY EXAMINATION	<ol style="list-style-type: none"> 1. Physical world and measurement, 2. Units and measurements 3. Motion in straight line, 4. Motion in a plane, 5. Laws of motion, 6. Work, energy and power, 7. System of particles and rotational motion
	UNIT TEST--II	Gravitation, Properties of bulk matter
	ANNUAL EXAMINATION	Class XI-NCERT book all Chapters
CHEMISTRY	UNIT TEST--I	<ol style="list-style-type: none"> 1-Some Basic Concepts of Chemistry 2-Structure of Atom 3-Classification of Elements and Periodicity in Properties

	HALF YEARLY EXAMINATION	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- Chemical Thermodynamics Organic Chemistry -Some Basic Principles and Techniques
	UNIT TEST--II	Organic Chemistry -Some Basic Principles and Techniques. Hydrocarbons Equilibrium
	ANNUAL EXAMINATION	Class XI-NCERT book all Chapters
BIOLOGY	UNIT TEST--I	1. The Living Worlds 2. Biological Classification 3. Plant Kingdom 4. Animal Kingdom 8. Cell the Unit of Life
	HALF YEARLY EXAMINATION	1. The Living Worlds 2. Biological Classification 3. Plant Kingdom 4. Animal King 8. Cell the Unit of Life 9. Biomolecules 10. Cell Cycle and Cell division
	UNIT TEST--II	9. Biomolecules 10. Cell Cycle and Cell division 11. Transport in plants 12 Photosynthesis
	ANNUAL EXAMINATION	Full Syllabus
COMPUTER SCIENCE	UNIT TEST-I	Unit-1: Computer Systems and Organisation Unit-3: Society, Law, and Ethics
	HALF YEARLY EXAMINATION	Unit-1: Computer Systems and Organisation Unit-2: Computational Thinking and Programming -1 (Introduction to Problem-solving, Basics of Python programming, Data types, Unit-3: Society, Law, and Ethics
	UNIT TEST-II	Unit-2: Computational Thinking and Programming -1
	ANNUAL EXAMINATION	Full Syllabus
PHYSICAL EDUCATION	UNIT TEST-I	1. Changing Trends in Physical Education. 2. Olympic Value Education. Physical Fitness, wellness and Lifestyle.
	HALF YEARLY EXAMINATION	1. Changing Trends in Physical Education 2. Olympic Value Education. 3. Physical Fitness, wellness and Lifestyle. 4. Physical Education Sports for CWSN Yoga and Lifestyle

	UNIT TEST-II	<ol style="list-style-type: none"> 1. Physical Activity and leadership 2. Test, Measurement, Evaluation <p style="text-align: center;">Fundamental of Anatomy Physiology and Kinesiology</p>
	ANNUAL EXAMINATION	<ol style="list-style-type: none"> 1. Changing Trends in Physical Education 2. Olympic Value Education. 3. Physical Fitness, wellness and Lifestyle. 4. Physical Education Sports for CWSN 5. Yoga and Lifestyle 6. Physical Activity and leadership 7. Test, Measurement, Evaluation 8. Fundamental of Anatomy Physiology and Kinesiology 9. Psychology and Sports. 10. Training and Doping.