



RUKMANI BIRLA MODERN HIGH SCHOOL **ANNUAL SYLLABUS (2025-26)** **CLASS XI**

SUBJECT: ENGLISH(301)

Books- Literature Reader: Hornbill, Snapshots

Books/Topics	Chapter No. /Chapter Name	Month
Hornbill Snapshots Grammar Writing	Chapter-1 The Portrait of a Lady Poem – A Photograph Chapter-2 We are not Afraid to Die... Chapter-The Summer of the Beautiful White Horse Tenses Poster	April – May
Hornbill Snapshots Writing	Chapter-3 Discovering Tut: The Saga Continues Poem- The Laburnum Top Chapter-The Address Note Making Speech	June-July
Hornbill Grammar Writing	Poem – The Voice of the Rain Poem –Childhood Sentence Reordering, Clauses Classified Advertisements (Situation Vacant, Situation Wanted, TO-LET, For Sale) Debate	August
	Assessment of Listening and Speaking skills Revision	September
Hornbill Writing	Chapter-5 The Adventure Advertisements- Educational Institutions, Matrimonials, Missing, Lost & Found, Tours & Travels	October
Hornbill Snapshots Grammar	Chapter-6 Silk Road Chapter-Mother's Day Transformation of sentences	November
Hornbill Snapshots Writing	Poem- Father to Son Chapter-Birth Speech	December
Snapshots Grammar Writing	Chapter-The Tale of Melon City Clauses Debate	January
	Revision, ALS	February

SUBJECT- PHYSICS (042)
Book Name –NCERT Vol I & II

Chapter No.	Chapter Name	Month
Chapter - 3	Motion in a Plane	April
Chapter - 4	Laws of Motion	May
Chapter - 5	Work, Energy and Power	June-July
Chapter - 1	Units and Measurement	June-July
Chapter - 2	Motion in a Straight Line	July
Chapter - 6	Systems of Particles and Rotational Motion	August
Chapter - 7	Gravitation	
	Revision	September
Chapter - 8	Mechanical properties of Solids	October
Chapter - 9	Mechanical properties of Fluids	October-November
Chapter - 10	Thermal Properties of Matter	November
Chapter - 11	Thermodynamics	December
Chapter - 12	Kinetic Theory	
Chapter - 13	Oscillations	January
Chapter - 14	Waves	
	Revision	February

SUBJECT: PHYSICS PRACTICAL (042)

Experiment No.	Name of the Experiment	Month
1	To measure internal diameter and depth of a given beaker/calorimeter using Vernier Callipers and hence find its volume.	July
2	To measure diameter of a given wire and thickness of given sheet using screw gauge.	July
3	To find the weight of a given body using parallelogram law of vectors.	August
4	Using a simple pendulum, Plot its L-T ² graph and use it to find the effective length of second's pendulum.	September
5	To find the force constant of a helical spring by plotting a graph between load and extension.	November
6	To study the relationship between the temperature of a hot body and time by plotting a cooling curve.	December
7	To study the relation between frequency and length of a given wire under constant tension using sonometer.	January
8	To find the speed of sound in air at room temperature using a resonance tube by two resonance positions.	January

SUBJECT: CHEMISTRY (043)
Book Name - NCERT Course Book Vol I and II

Chapter No.	Chapter Name	Month
Unit - 1	Some basic Concepts of Chemistry	April
Unit - 3	Classification of elements and Periodicity in Properties	May
Unit - 4	Chemical Bonding and Molecular Structure	June -July
Unit – 2	Structure of Atom	July-August

	Revision	September
Unit - 8	Organic Chemistry- Some basic principles and techniques	October
Unit - 9	Hydrocarbons	November- December
Unit - 7	Redox Reactions	December
Unit – 5	Thermodynamics	January
Unit – 6	Equilibrium	
	Revision	February

Note: The following topics are included in the syllabus but will be assessed only formatively to reinforce understanding without adding to summative assessments.

1.s and p block elements (With Classification of elements and periodicity in properties)

2.Gaseous state(with Thermodynamics)

SUBJECT- CHEMISTRY PRACTICAL

Chapter No.	Chapter Name	Month
1	Determination of melting point of an organic compound.	April
2	Salt Analysis Determination of one anion and one cation in a given salt Cations-zero and first group Anion-Carbonate, Sulphate, chloride	May/July
3	Determination of strength of a given solution of HCl by titrating it against standard solution of Sodium Carbonate	August
4	Salt Analysis Determination of one anion and one cation in a given salt Cation-2nd and 3rd Anion- Acetate, Nitrate, Sulphate	October
5	Salt Analysis Determination of one anion and one cation in a given salt Cation-4th and 5th Anion-Acetate, Sulphate , chloride	November
6	Detection of -N, S, N and S, Cl, Br, I in organic compounds	December
7	Determination of strength of NaOH by titrating it against given solution of Oxalic acid	January

SUBJECT- BIOLOGY (044)

Book Name - Biology-NCERT for Class XI

Chapter No.	Chapter Name	Month
Chapter- 1	The Living World	April
Chapter- 2	Biological Classification	
Chapter- 3	Plant Kingdom	May
Chapter- 4	Animal Kingdom	
Chapter- 5	Morphology of Flowering Plants	
Chapter- 6	Anatomy of Flowering Plants	June-July
Chapter- 7	Structural Organisation in Animals	
Chapter- 8	Cell: The Unit of Life	July
Chapter- 9	Biomolecules	
Chapter- 10	Cell Cycle and Cell Division	August
Chapter- 11	Photosynthesis in Higher Plants	

Chapter- 12	Respiration in Plants	
	Revision	September
Chapter- 13 Chapter- 14 Chapter- 15	Plant Growth and Development Breathing and Exchange of Gases Body Fluids and Circulation	October
Chapter- 16	Excretory Products and Their Elimination	November
Chapter- 17	Locomotion and Movement	Nov-Dec
Chapter- 18	Neural Control and Coordination	December
Chapter- 19	Chemical Coordination and Integration	January
	Revision	February

SUBJECT- BIOLOGY PRACTICAL (044)

Sr. No	PRACTICAL	Month
1	Study of the parts of a compound microscope.	April
2	Plant Kingdom Study of the specimens /slides /models and identification with reasons - Bacteria, Oscillatoria, Spirogyra, Rhizopus, mushroom, yeast, liverwort, moss, fern, pine, one monocotyledonous plant, one dicot plant and one lichen.	April
3	Study of virtual specimens/slides/models and identification with reasons - Amoeba, Hydra, liverfluke, Ascaris, leech, earthworm, prawn, silkworm, honeybee, snail, starfish, shark, rohu, frog, lizard, pigeon and rabbit.	May
4	Study and description of three locally available common flowering plants, one from each of the families Solanaceae, Fabaceae and Liliaceae including dissection and display of floral whorls, anther and ovary to show number of chambers (floral formulae and floral diagrams). Types of root (Tap and adventitious); stem (herbaceous and woody); leaf (arrangement, shape, venation, simple and compound).	May
5	Study and identification of different types of inflorescence (cymose and racemose).	May
6	Preparation and study of T.S. of dicot and monocot roots and stems (primary).	July
7	Test for the presence of sugar, starch, proteins and fats. Detection in suitable plant and animal materials.	August
8	Study of mitosis in onion root tip cells and animals cells (grasshopper) from permanent slides.	August
9	Study of osmosis by potato osmometer.	August
10	Study of plasmolysis in epidermal peels (e.g. Rhoeo leaves).	September
11	Study of distribution of stomata in the upper and lower surface of leaves.	October
12	Comparative study of the rates of transpiration in the upper and lower surface of leaves.	October
13	Separation of plant pigments through paper chromatography.	November

14	Study of the rate of respiration in flower buds/leaf tissue and germinating seeds.	November
15	Test for presence of urea, sugar, albumin and bile salts in urine.	December
16	Study of human skeleton and different types of joints.	December

SUBJECT- MATHEMATICS (041)

Book - NCERT

Chapter No.	Chapter Name	Month
Chapter- 1	Sets	April
Chapter- 2	Relations and Functions	
Chapter- 4	Complex Numbers	May
Chapter- 3	Trigonometric Functions	June - July
Chapter- 5	Linear Inequalities	
Chapter- 6	Permutations and Combinations	
Chapter- 7	Binomial Theorem	July-August
Chapter- 8	Sequence and Series	
Chapter- 11	Introduction to Three-Dimensional Geometry	
	Revision	September
Chapter- 9	Straight Lines	October-November
Chapter- 10	Conic Sections	
Chapter- 12	Limits and Derivatives	
Chapter- 13	Statistics	December-January
Chapter- 14	Probability	
	Principle of Mathematical Induction (will not be assessed in PA – 4)	
	Revision	February

SUBJECT: APPLIED MATHEMATICS (241)

Book- M L Aggrawal

Chapter No.	Chapter Name	Month
Unit-2	Algebra	April-May
Unit-2	Algebra	June-July
Unit-1	Numbers, Quantification and Numerical Applications	
Unit-3	Mathematical Reasoning	August
Unit-4	Calculus	September
	Revision	
Unit-8	Coordinate Geometry	October
Unit-5	Probability	
Unit-5	Probability	November
Unit-6	Descriptive Statistics	December-January
Unit-7	Financial Mathematics	
	Revision	February

SUBJECT: ECONOMICS(030)

Book – T.R. Jain and V.K. Ohri

Chapter No.	Chapter Name	Month
Unit 1	Introduction to Statistics	April
Unit 4	Introduction to Micro Economics	April - May
Unit 5	Theory of Consumer's Equilibrium	April - May
Unit 5	Theory of Demand	July
Unit 6	Theory of Supply	
Unit 2	Collection of data	
Unit 2	Organisation and Presentation of data.	August
Unit 3	Statistical tools and Interpretation -Measures of Central Tendency	
	Revision	September
Unit 3	Measures of Central Tendency Continued	October
Unit 6	Producer's Behaviour	
Unit 6	Producer's Behaviour	November
Unit 3	Correlation	
Unit 3	Index Numbers	December
Unit 7	Forms of Market	January
	Price Determination under Perfect Competition	
	Revision	February

SUBJECT: ACCOUNTANCY(055)

Book – D.K. Goel

Chapter No.	Chapter Name	Month
Chapter- 1	Meaning and Objectives of Accounting	April
Chapter- 2	Basic Accounting Terms	April
Chapter- 6	Accounting Equation	April
Chapter- 7	Double Entry System	May
Chapter- 8	Origin of Transactions: Source Documents of Accountancy	May
Chapter- 9	Books of Original Entry- Journal	May
Chapter- 3	Accounting Principles	June
Chapter- 4	Process and Bases of Accounting	June
Chapter- 5	Accounting Standards	June
Chapter- 10	Accounting for Goods & Service Tax (GST)	July
Chapter- 13	Ledger	July
Chapter- 14	Trial Balance And Errors	July
Chapter- 11	Books of Original Entry- Cash Book	August
Chapter- 12	Books of Original Entry- Special Purpose Subsidiary Books	August
	Revision	September
Chapter- 16	Bank Reconciliation Statement	October
Chapter- 18	Provisions and Reserves	October
Chapter- 17	Depreciation	October & November
Chapter- 15	Rectification of Errors	November
Chapter- 19	Capital and Revenue	November
Chapter- 20	Financial Statements- Without Adjustments	December
Chapter- 21	Financial Statements- With Adjustments	December & January

Chapter- 22	Incomplete records	January
	Revision	February

SUBJECT: BUSINESS STUDIES(054)

Book – Business Studies (NCERT)

Chapter No.	Chapter Name	Month
Chapter-1	Business, Trade and Commerce	April
Chapter-2 +7	Forms of Business Organization + Formation of a company	May & June
Chapter-3	Private, Public and Global Enterprises	July
Chapter-4	Business Services	July
Chapter-5	Emerging Modes of Business	August
Chapter-6	Social Responsibilities of Business and Business Ethics	August
	Revision	September
Chapter-8	Sources of Business Finance	October
Chapter-9	Small Business	November
Chapter-10	Internal Trade	December
Chapter-11	International Business	January
	Revision	February

SUBJECT: HISTORY (027)

Book – Themes In World History

Chapter No.	Chapter Name	Month
	Introduction of World History	April
Theme 1	Writing and City Life	April
Theme 2	An Empire Across Three Continents	May
Theme 3	Nomadic Empires	June/July
Theme 4	The Three Orders	August
	Revision	September
Theme 5	Changing Cultural Traditions	October
Theme 6	Displacing Indigenous Peoples	November/ December
Theme 7	Paths to Modernisation	December/ January
	Revision	February

SUBJECT: POLITICAL SCIENCE (028)

Book – I. Indian Constitution at Work

Book –II – Political Theory

Chapter No.	Chapter Name	Month
BOOK-1	Constitution: Why and How?	
Chapter- 1&9	The Philosophy of the Constitution	April
Chapter- 10	Constitution as a living document	May
Chapter - 2	Rights in the Indian Constitution	July
Chapter - 3	Election and Representation	July
Chapter - 4	Executive	August
	Revision	September
Chapter - 5	Legislature	October
Chapter - 6	Judiciary	November
Chapter - 7	Federalism	December

Chapter - 8	Local Governments	January
BOOK – II	Political Theory: An Introduction	
Chapter - 1		May
Chapter - 2	Freedom	July
Chapter - 3	Equality	August
Chapter - 4	Social Justice	August
	Revision	September
Chapter - 5	Rights	October
Chapter - 6	Citizenship	November
Chapter - 7	Nationalism	December
Chapter - 8	Secularism	January
	Revision	February

SUBJECT: PSYCHOLOGY (037)

Book – Psychology (XI) NCERT

Chapter No.	Chapter Name	Month
Chapter- 1	What is Psychology?	April
Chapter- 2	Methods of Enquiry in Psychology	April
Chapter- 4	Human Development	May
Chapter - 5	Sensory, Attentional and Perceptual Processes	June - July
Chapter- 6	Learning	August
	Revision	September
Chapter- 7	Human Memory	October
Chapter- 8	Thinking	November
Chapter- 9	Motivation and Emotion	December/January
	Revision	February

SUBJECT: PSYCHOLOGY PRACTICAL (037)

Experiment No.	Experiments	Month
1	Meaningfulness of material on Learning	August
2	EMS	January

SUBJECT: ENTREPRENEURSHIP (066)

Book – Entrepreneurship XI (NCERT)

Chapter No.	Chapter Name	Month
Chapter-1	Entrepreneurship: Concept and Functions	April
Chapter-2	An Entrepreneur	May/June
Chapter-3	Entrepreneurial Journey	July
Chapter-4	Entrepreneurship as Innovation and Problem Solving	August
	Revision	September
Chapter-5	Concept of Market	October - November
Chapter-6	Business Finance and Arithmetic	November-December
Chapter-7	Resource Mobilization	January
	Revision	February

SUBJECT: GEOGRAPHY(029)

Book 1: Fundamentals Of Physical Geography

Book 2: India: Physical Environment

Book3: Practical

Chapter No.	Chapter Name	Month
Book 1: Fundamentals of Physical Geography		
Chapter-1	Geography as a discipline	April
Chapter-2	The Origin and evolution of the earth	April
Chapter-3	Interior of the earth	May
Chapter-4	Distribution of oceans and continents	June/July
Chapter-5	Geomorphic processes	July
Chapter-6	Landforms and their evaluation	August
Chapter-7	Composition and structure of the atmosphere	August
	Revision	September3
Chapter-8	Solar radiation, heat balance, and temp.	October
Chapter-9	Atmosphere circulation and weather sys.	October
Chapter-10	Water in the atmosphere	November
Chapter-11	World climate and climate change	November
Chapter-12	Water (oceans)	December
Chapter-13	Movements of ocean water	December
Chapter-14	Biodiversity and Conservation (for internal assessment only)	January
	Revision	February
Book 2: India: Physical Environment		
Chapter-1	India: Location	April
Chapter-2	Structure & Physiography	May
Chapter-3	Drainage system	July
Chapter-4	Climate	August
Chapter-5	Natural vegetation	October
Chapter-6	Natural hazards and disaster (for internal assessment only)	December
Book3: Practical		
Chapter-1	Introduction to Maps	July
Chapter-2	Map Scale	July
Chapter-3	Latitude, Longitude and Time.	August
Chapter-4	Map projections	August

SUBJECT: SOCIOLOGY(039)

Book - I-Introducing Sociology

Book-II - Understanding Society

Chapter No.	Chapter Name	Month
BOOK I-INTRODUCING SOCIOLOGY		
Chapter-1	Sociology and Society	April
Chapter-2	Terms, Concept and Their Use in Sociology	April/May
Chapter-3	Understanding Social Institution	June/July
Chapter-4	Culture and Socialisation	August

	Revision	September
	BOOK II-UNDERSTANDING SOCIETY	
Chapter-2	Social change and Social Order in Rural and Urban Society	October/November
Chapter-4	Introducing Western Sociologists	December
Chapter5	Indian Sociologists	January
	Revision	February

SUBJECT: COMMERCIAL ARTS (052)

Chapter No.	Chapter Name	Month
Chapter- 1(a)	Six Limbs of Indian Painting and Fundamentals of Visual Art (Elements and Principles)	April
Chapter- 1 (b)	Pre- Historic Rock Paintings Drawing -Still Life (Practical)	April-May
Chapter-1(b)	Art of Indus Valley Civilization Layout-Basic Design (Practical) Creative Drawing- Typography	July
Chapter-2	Buddhist, Jain and Hindu Art- Art During Mauryan, Shunga and Kushana Period. Creative Drawing – Nature (Practical)	August
	Revision	September
Chapter-3	Buddhist, Jain and Hindu Art –Art of Ajanta Caves Drawing from Nature (Practical)	October
Chapter- 4	Temple Sculptures Poster Design- Introduction (Practical)	November
Chapter-5& 6	South Indian Bronzes and Artistic Aspect of Indo-Islamic Architecture Poster Design (contd.)	December
	Creative Drawing – Fashion/ Product (Practical)	January
	Revision	February

SUBJECT: COMPUTER SCIENCE (083)

Book Name: NCERT

Chapter No.	Chapter Name	Month
Chapter-1	Computer System	March
Chapter-2	Encoding Scheme and Number System	April
Chapter-3	Emerging Trends	May
Chapter-4	Introduction to Problem Solving	July
Chapter-5	Getting Started with Python	July
Chapter-6	Flow of Control Complete	August
	Revision	September
Chapter-7	Functions	October
Chapter-8	Strings	October
Chapter-9	Lists	November
Chapter-10	Tuples and Dictionary	December
Chapter-11	Societal Impact	January
	Revision	February

SUBJECT: INFORMATICS PRACTICES (065)

Book Name: Informatics Practices – Sumita Arora

Chapter No.	Chapter Name	Month
Chapter-8	Database Concepts	April
Chapter-9	Structured Query Language	April- May
Chapter-1	Computer System	July
Chapter-2	Getting started with Python	August
Chapter-3	Python Fundamentals, Numpy	
	Revision	September
Chapter-4	Data Handling	October
Chapter-5	Flow Control	November
Chapter-6	List Manipulation	November- December
Chapter-7	Dictionaries	
Chapter-10	Emerging Trends	January
	Revision	February

SUBJECT: PHYSICAL EDUCATION (048)

Book – Full Marks

Comprehensive Physical Education By Laxmi Publication

Chapter No.	Chapter Name	Month
Unit – 1	Changing Trends and Carrer in Physical Education	April
Unit - 2	Olympic Value Education	May
Unit – 3	Yoga	July
Unit – 4	Physical Education and Sports for CWSN	July
Unit – 5	Physical Fitness , Wellness and Lifestyle	August
Unit – 6	Test , Measurement and Evaluation	August
	Revision	September
Unit – 7	Fundamentals of Anatomy and Physiology in Sports	October
Unit – 8	Fundamentals of Kinesiology and Biomechanics in Sports	November
Unit – 9	Psychology and Sports	December
Unit – 10	Training and Doping in Sports	January
	Revision	February