



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

## **SUBJECT: ENGLISH (301)**

Books- Flamingo, Vistas

Book Name	Chapter Number, Chapter Name	Month
Flamingo Vistas	Chapter 1 -The Last Lesson Poem1-My Mother at Sixty- Six Chapter 1-The Third Level Writing -Notice Writing -Formal Letter – Job Application	March-April
Flamingo Vistas	Poem 2-Keeping Quiet Poem 3-A Thing of Beauty Chapter 2-The Tiger King Writing -Report Writing	May
Flamingo Vistas	Chapter 2- Lost Spring Poem 4- A Roadside Stand Chapter- 4 The Rattrap Chapter 3- Journey to the End of the Earth Writing - Invitation & Replies (Formal & Informal)	June-July
Flamingo	Chapter-5 Indigo Poem 5 - Aunt Jennifer's Tigers Chapter 3- Deep Water Writing -Article Writing -Letter to the Editor	August
	Assessment of Listening & Speaking Revision	September
Flamingo Vistas	Chapter 6- Poets & Pancakes Chapter 7- Interview Chapter 4- The Enemy	October
Flamingo Vistas	Chapter 8- Going Places Chapter 5- On the Face of It Chapter 6- Memories of Childhood	November
	Pre Board – I	December
	Pre Board – II	January - February

## **SUBJECT- PHYSICS (042)**

Book Name – NCERT Vol I & II

Chapter No.	Chapter Name	Month
1	Electric Charges and Fields	March-April
2	Electrostatic Potential and Capacitance	April
3	Current Electricity	April-May
4	Moving Charges and Magnetism	May-June
5	Magnetism and Matter	July
6	Electromagnetic Induction	July
7	Alternating Current	July
8	Electromagnetic Waves	August
9	Ray Optics and Optical Instruments	August

	Revision	September
10	Wave Optics	October
11	Dual Nature of Radiation and Matter.	October
12	Atoms	November
13	Nuclei	November
14	Semiconductor Electronics Materials Devices and Simple Circuit	November
	Pre Board – I	December
	Pre Board – II	January - February

**SUBJECT: PHYSICS PRACTICAL (042)**

Experiment No.	Name of the Experiment	Month
1	To determine resistivity of two/three wires by plotting a graph for potential difference versus current	April
2	To find resistance of a given wire/standard resistor by using metre bridge.	April
3	To verify the laws of combination of resistances in series using a metre bridge (slide wire bridge) .	May
4	To determine resistance of a galvanometer by half deflection method and to find its figure of merit.	July
5	To determine angle of minimum deviation for a given prism by plotting a graph between angle of incidence and the angle of deviation.	July
6	To find the value of v for different values of u in case of a concave mirror and to find the focal length.	August
	Revision	September
7	To find the focal length of a convex lens by plotting graphs between u and v or between 1/u and 1/v.	October
8	To draw the I-V characteristic curve of a p-n junction in forward-bias and reverse-bias.	November

**SUBJECT: CHEMISTRY (043)**

Book Name – NCERT Book 1 and 2

Chapter No.	Chapter Name	Month
Chapter 1	Solutions	March -April
Chapter 6	Haloalkanes and Haloarenes	April-May
Chapter 7	Alcohol, Phenol and Ether	June-July
Chapter 2	Electrochemistry	July-August
Chapter 3 Chapter 4	Chemical Kinetics d and f block elements	August
	Revision	September
Chapter 8	Aldehyde, Ketone and Carboxylic Acid	October
Chapter 9	Compounds containing Nitrogen	October -November
Chapter 10	Biomolecules	November
Chapter 5	Coordination compounds	November
	Pre- Board I	December
	Pre- Board II	January - February

**SUBJECT- CHEMISTRY PRACTICAL**

Chapter No.	Chapter Name	Month
1	To prepare Mohr salt of given strength and find out Molarity and Strength of given $\text{KMnO}_4$ solution.	April
2	To prepare Oxalic acid of given strength and find out Molarity and Strength of given $\text{KMnO}_4$ solution.	
3	Salt Analysis Cation (zero, first group) Anion-Carbonate,Sulphite, Chloride,Nitrate, Acetate, Sulphate, Phosphate, oxalate)	May
4	Salt Analysis Cation-2 and 3group Anion-Carbonate,Sulphite, Chloride,Nitrate, Acetate, Sulphate, Phosphate, oxalate	July
5 6	Functional group- Alcohol,Phenol	July /August
7	Functional group- Carboxylic acid,Amines, Aldehyde, Ketones	August
	Revision	September
8	Salt Analysis Cation-4 and 5 group Anion-Carbonate,Sulphite, Chloride,Nitrate, Acetate, Sulphate, Phosphate, oxalate	October
	Salt Analysis Cation-6th group Sulphate	

**SUBJECT- BIOLOGY (044)**

Book Name – Biology- NCERT For Class XII

Chapter No.	Chapter Name	Month
Chapter1 Chapter 2	Sexual reproduction in flowering plants Human Reproduction	March-April
Chapter-3 Chapter-4	Reproductive Health Principles of inheritance and variation	May
Chapter-5	Molecular Basis of Inheritance	June-July
Chapter-6	Evolution	July -August
Chapter-7 Chapter-8	Human Health and Diseases Microbes in Human Welfare	August
	Revision	September
Chapter-9 Chapter 10	Biotechnology Principles and Processes Biotechnology and its applications	October
Chapter-11 Chapter 12 Chapter 13	Organisms and Populations Ecosystem Biodiversity and conservation	November
	Pre Board – I	December
	Pre Board – II	January - February

**SUBJECT- BIOLOGY PRACTICAL (044)**

Serial No.	Practical	Month
1	Prepare a temporary mount of onion root tip to study mitosis. Study pollen germination on a slide. Flowers adapted to pollination by different agencies (wind,	April

	insects, birds). Pollen germination on stigma through a permanent slide or scanning electron microscope. Controlled pollination - emasculation, tagging and bagging.	
2	Identification of stages of gamete development, i.e., T.S. of testis and T.S. of ovary through permanent slides (from grasshopper/mice). Meiosis in onion bud cell or grasshopper testis through permanent slides. T.S. of blastula through permanent slides (Mammalian).	May
3	Mendelian inheritance using seeds of different colour/sizes of any plant. Prepared pedigree charts of any one of the genetic traits such as rolling of tongue, blood groups, ear lobes, widow's peak and colour blindness.	July
4	Common disease causing organisms like Ascaris, Entamoeba, Plasmodium, any fungus causing ringworm through permanent slides or specimens. Comment on symptoms of diseases that they cause. Study of homologous and analogous organs.	August
	Revision	September
5	Isolate DNA from available plant material such as spinach, green pea seeds, papaya, etc.	October
6	Study the plant population density by quadrat method. Study the plant population frequency by quadrant method. Study of symbiotic association in root nodules of leguminous plants, Cuscuta on host, lichens.	November

### SUBJECT- MATHEMATICS (041)

Book- NCERT

Chapter No.	Chapter Name	Month
Chapter-3 Chapter-4	Matrices Determinants	March-April
Chapter-1 Chapter-2	Relations and Functions Inverse Trigonometric Functions	April-May
Chapter-5 Chapter-6	Continuity and Differentiability Applications of Derivatives	June-July
Chapter-6 Chapter-12	Applications of Derivatives Linear Programming	August
	Revision	September
Chapter-7 Chapter-8 Chapter-9	Integrals Applications of Integrals Differential Equations	October
Chapter-9	Differential Equations	November

Chapter-10	Vector Algebra	
Chapter-11	Three-Dimensional Geometry	
Chapter-13	Probability	
	Pre- Board - I	December
	Pre – Board – II	January- February

**SUBJECT: APPLIED MATHEMATICS (241)**

Book- M L Aggarwal

Chapter No.	Chapter Name	Month
Unit-2	Algebra	March-April
Unit-1	Numbers, Quantification and Numerical Applications.	May-June
Unit-3	Calculus	July-August
Unit-8	Linear Programming	August
	Revision	September
Unit-4	Probability Distribution	October
Unit-5	Inferential Statistics	
Unit-6	Index Numbers and Time-based data	November
Unit-7	Financial Mathematics	November
	Pre- Board - I	December
	Pre – Board – II	January- February

**SUBJECT: ECONOMICS(030)**

Book – T.R. Jain And V.K Ohri

Chapter No.	Chapter Name	Month
Unit 4	Government Budget	March - April
Unit 5	Balance of Payment	April - May
Unit 2	Money and Banking	May
Unit 1	National Income Accounting	July
Unit 6	Development experiences of India (1947-1990) and Economic Reforms since 1991	August
Unit 7	Current Challenges facing Indian Economy	
	Revision	September
Unit 3	Determination of Income and Employment Current Challenges facing Indian Economy	October
Unit 8	Development Experience of India -A comparison with neighbours	November
	Pre Board - I	December
	Pre Board - II	January-February

**SUBJECT: ACCOUNTANCY(055)**

Book – T S Grewal & D. K Goel (Reference Books)

Chapter No.	Chapter Name	Month
	<b>PART- A Accounting for partnership firms and Companies</b>	
Chapter-2	Accounting for Partnership firms- Fundamentals	March/April
Chapter-3	Goodwill: Nature and Valuation	May
Chapter-5	Admission of a partner	May
Chapter-4	Change in profit sharing ratio among the existing partners	June/ July
Chapter-6	Retirement or Death of a partner	July
Chapter-7	Dissolution of a Partnership Firms	July

Chapter-8	Issue of Shares	August
Chapter-9	Issue of Debentures	August
	Revision	September
	<b>PART-B Financial Statement Analysis</b>	
Chapter-1	Financial Statement of a Companies	October
Chapter-2	Financial Statement Analysis	October
Chapter-3	Comparative and Common size Statement	October
Chapter-4	Accounting Ratios	November
Chapter-5	Cash Flow Statement	November
	Pre Board - I	December
	Pre Board - II	January-February

**SUBJECT: BUSINESS STUDIES (054)**

BOOK – NCERT PART 1 AND 2

Chapter No.	Chapter Name	Month
Chapter 9	Financial Management	March-April
Chapter 10	Financial Market	April
Chapter 11	Marketing Management	May
Chapter 1	Nature and Significance Of Management	June-July
Chapter 2	Principles Of Management	July
Chapter 3	Business Environment	July
Chapter 4	Planning	August
Chapter 5	Organizing	August
Chapter 6	Staffing	August
	Revision	September
Chapter 8	Controlling	October
Chapter 7	Directing	October
Chapter 12	Consumer Protection	November
	Pre Board - I	December
	Pre Board - II	January-February

**SUBJECT: HISTORY(027)**

Book – Themes In Indian History (Part-I, II And III)

Chapter No.	Chapter Name	Month
Theme-1	Bricks, Beads and Bones The Harappan civilization,	March
Theme-2	Kings, Farmers and Towns Early states and Economies(c.600BCE 600CE)	April
Theme-3	Kingship, Caste and Class Early Societies (c. 600BCE 600CE)	April
Theme-4	Thinkers , Beliefs and Buildings Cultural Developments ( c. 600 BCE 600 CE)	May
Theme-5	Through the Eyes of the Travellers Perceptions of Society (c. 10th to 17th centuries)	June
Theme-6	Bhakti-Sufi Traditions Changes in Religious Beliefs and Devotional Texts (c. 8th to 18th Centuries)	July
Theme-7	An Imperial Capital- Vijayanagar (c. 14th to 16th centuries)	July
Theme-8	Peasants, Zamindars and the States Agrarian Society and the Mughal Empire (c. 16th to 17th centuries)	August

Theme-9	Colonialism and The Countryside Exploring Official Archives	August
	Revision	September
Theme-10	Rebels and Raj 1857 Revolt and its Representations	October
Theme-11	Mahatma Gandhi and the National Movement Civil Disobedience and Beyond	November
Theme-12	Framing of the Constitution The Beginning of a New Era	November
	Pre Board – I	December
	Pre Board – II	January - February

**SUBJECT: POLITICAL SCIENCE (028)**  
**BOOK – NCERT**

Chapter No.	Chapter Name	Month
Chapter – 1 Chapter -2 Chapter -1 Chapter -2 Chapter -3	BOOK – I The End of Bipolarity Contemporary Centre of Power BOOK – II Challenges of Nation – Building Era of One-party dominance Politics of planned development	April/may
Chapter – 3 Chapter – 4 Chapter – 4 Chapter -5	BOOK -I Contemporary South Asia International Organizations BOOK – II India’s External Relations Challenges to and Restoration of the Congress System	July
Chapter – 5 Chapter – 6 Chapter – 6 Chapter – 7	BOOK – I Security in the Contemporary World Environment and Natural Resources BOOK – II The Crisis of Democratic Order Regional Aspirations	August
	Revision	September
Chapter – 8	BOOK – II Recent Development in Indian Politics	October
Chapter – 7	BOOK – I Globalisation	November
	Pre Board – I	December
	Pre Board – II	January - February

**SUBJECT: PSYCHOLOGY (037)**  
**Book –Psychology (XII), NCERT**

Chapter No.	Chapter Name	Month
Chapter 1	Variations in Psychological attributes	March-April
Chapter 2	Self and personality	April
Chapter 3	Meeting Life Challenges	May
Chapter 4	Psychological Disorders	June-July
Chapter 5	Therapeutic approaches	August
	Revision	September
Chapter 6	Attitude and social cognition	October
Chapter 7	Social Influence and group processes	November

	Pre Board – I	December
	Pre Board – II	January - February

**SUBJECT: PSYCHOLOGY PRACTICAL (037)**

<b>Practical No.</b>	<b>Practical</b>	<b>Month</b>
1	RSPM	May
2	EPQ	July
3	SCQ	August
4	SAS	October
5	DBDA	November/ December

**SUBJECT: ENTREPRENEURSHIP(066)**

Book – Entrepreneurship XII (NCERT)

<b>Chapter No.</b>	<b>Chapter Name</b>	<b>Month</b>
Chapter-1	Entrepreneurial Opportunity	March/ April
Chapter-2	Enterprise Planning	May/ June
Chapter-3	Enterprise Marketing	July
Chapter-4	Enterprise growth strategies	August
	Revision	September
Chapter-5	Business Arithmetic	October
Chapter-6	Resource Mobilization	November
	Pre Board - I	December
	Pre Board - II	January-February

**SUBJECT: GEOGRAPHY(029)**

Book 1: Fundamentals Of Human Geography

Book 2: India: People & Economy

Book3: Practical

<b>Chapter No.</b>	<b>Chapter Name</b>	<b>Month</b>
	<b>Book 1: Fundamentals of Human Geography</b>	
Chapter-1	Human Geography	March/April
Chapter-2	The World Population (Distribution, Density & Growth)	June/July
Chapter-3	Human Development	July
Chapter-4	Primary Activities	August
Chapter-5	Secondary Activities	August
Chapter-6	Tertiary & Quaternary Activities	October
Chapter-7	Transport & Communication	May
Chapter-8	International trade	November
	<b>Book 2: India: People &amp; Economy</b>	
Chapter-1	The Population: Distribution, Density, Growth & Composition	April
Chapter-2	Human Settlements	July
Chapter-3	Land Resources & Agriculture	July
Chapter-4	Water Resources	August
Chapter-5	Mineral & Energy Resources	August



	Revision	September
Chapter-6	Manufacturing Industries	October
Chapter-7	Planning & Sustainable Development in Indian Context	October
Chapter-8	Transport & Communication	October
Chapter-9	International Trade	November
Chapter-10	Geographical Perspective on Selected Issues & Problems	November
	<b>Book3: Practical</b>	
Chapter-1	Data-Its Source & Composition	April
Chapter-2	Data Processing	July
Chapter-3	Graphical Representation of Data	August
Chapter-4	Spatial Information Technology	November
	Pre Board – I	December
	Pre Board – II	January - February

### SUBJECT: SOCIOLOGY(039)

Book –I- Indian Society

Book-II- Change And Development In India

Chapter No.	Chapter Name	Month
	<b>BOOK I- INDIAN SOCIETY</b>	
Chapter -2	The Demographic Structure of Indian Society	May
Chapter -3	Social Institutions Continuity and Change	June/July
Chapter-5	Patterns of Social Inequality and Exclusion	July
Chapter -6	Challenges of Cultural Diversity	October
	<b>BOOK II Change and Development in India</b>	
Chapter-1	Structural Change	March/April
Chapter-2	Cultural Change	April
Chapter-4	Change and Development in Rural Society	August
Chapter-5	Change and Development in Industrial society	August
	Revision	September
Chapter-8	Social movements	November
	Pre Board – I	December
	Pre Board – II	January - February

### SUBJECT: COMMERCIAL ARTS (052)

Book – History Of Indian Art- Saraswati Publications

Chapter No.	Chapter Name	Month
Chapter-1	The Rajasthani school of Miniature Painting Poster Design (Practical)	March
Chapter-2	The Pahari school of Miniature Painting Illustration (Practical)	April-May
Chapter-3 Chapter-4	The Mughal school of Miniature Painting The Deccan school of Miniature Painting Poster Design (Practical)	July
Chapter-5	The Bengal School of Painting Illustration (Practical)	August
	Revision	September
Chapter-6	The Indian National Flag Poster /Illustration	October
Chapter-7	The Modern Trends in Indian Art	November

	Poster /Illustration	
	Pre Board – I	December
	Pre Board – II	January - February

**SUBJECT: COMPUTER SCIENCE (083)**

Book Name: Computer Science by Sumita Arora

Chapter No./ Unit	Chapter Name	Month
Chapter-10	Relational Databases	March/ April
Chapter-12	Table Creation & Data Manipulation Commands	May
Chapter-11 Chapter-13 Chapter-14	Simple Queries in SQL Grouping Records, Join in SQL Interface Python with MySQL	July
Chapter-8 Chapter-9	Computer Network – I Computer Network- II	August
	Revision	September
Chapter-1 Chapter-2 Chapter-3 Chapter-4	Python Revision Tour-I Python Revision Tour-II Working with Functions Using Python Libraries	October
Chapter-5 Chapter-6 Chapter-7	File Handling Exception Handling Data Structures	November
	Pre Board – I	December
	Pre Board – II	January - February

**SUBJECT: INFORMATICS PRACTICES (065)**

Book Name: Informatics Practices By Sumita Arora

Chapter No.	Chapter Name	Month
Chapter – 1	Data Handling using Pandas- I	March/April
Chapter – 3	Plotting with Pyplot	May/June
Chapter – 4	Importing/Exporting Data between CSV files and Pandas	July
Chapter –6 Chapter – 7	MySQL Functions Querying using SQL & Equi –join	August
	Revision	September
Chapter – 9 Chapter - 10	Introduction to Computer Networks Introduction to Internet & Web	October
Chapter – 11 Chapter - 12	Societal Impacts Data Protection	November
	Pre Board – I	December
	Pre Board – II	January - February

**SUBJECT: PHYSICAL EDUCATION (048)**

Book – Full Marks

Chapter No.	Chapter Name	Month
Unit – 1	Management of Sporting event	March/April
Unit – 2	Children and Women in Sports	April
Unit - 3	Yoga as Preventive measure for Lifestyle Diseases	May
Unit – 4	Physical Education and Sports for CWSN	July
Unit – 5	Sports and Nutrition	July
Unit – 6	Test and Measurement in Sports	August
Unit – 7 Unit – 8	Physiology and Injuries in Sports Biomechanics and Sports	August

	Revision	September
Unit – 9	Psychology and Sports	October
Unit – 10	Training in Sports	November
	Pre Board – I	December
	Pre Board – II	January - February