



RUKMANI BIRLA MODERN HIGH SCHOOL **ANNUAL SYLLABUS (2026-27)** **CLASS XII**

SUBJECT: ENGLISH (301)

Books- Flamingo, Vistas

Books/Topics	Chapter No. /Chapter Name	Month
Flamingo Writing	Chapter 1 -The Last Lesson Poem1-My Mother at Sixty- Six Notice Formal Letter – Job Application	April
Vistas Flamingo Writing	Chapter 1-The Third Level Chapter 2-The Tiger King Poem 2-Keeping Quiet Poem 3-A Thing of Beauty Report	May-June
Flamingo Writing	Chapter 2- Lost Spring Poem 4- A Roadside Stand Chapter- 4 The Rattrap Invitation &Replies (Formal & Informal)	July
Flamingo Vistas Writing	Chapter-5 Indigo Poem 5 - Aunt Jennifer’s Tigers Chapter 3- Deep Water Chapter 3- Journey to the End of the Earth Article Writing Letter to the Editor	August
	Assessment of Listening and Speaking skills	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

SUBJECT: PHYSICS (042)
Books: NCERT VOL. I & VOL.2

Chapter Number	Chapter Name	Month
Chapter-1	Electric Charges and Fields	April
Chapter-2	Electrostatic Potential and Capacitance	April
Chapter-3	Current Electricity	May
Chapter-4	Moving Charges and Magnetism.	June & July
Chapter-5	Magnetism and Matter	July
Chapter-6	Electromagnetic Induction	July
Chapter-7	Alternating Current	August
Chapter-8	Electromagnetic Waves	August
Chapter-9	Ray Optics and Optical Instruments.	September
Chapter-10	Wave Optics	October
Chapter-11	Dual Nature of Radiation and Matter.	November
Chapter-12	Atoms	November
Chapter-13	Nuclei	November
Chapter-14	Semiconductor Electronics Materials Devices and Simple Circuit	November

SUBJECT: PHYSICS PRACTICAL (042)

Sr. No.	Name of the Experiment	Month
1	To find resistance of a given wire/standard resistor by using metre bridge.	April
2	To verify the laws of combination of resistances in series using a metre bridge (slide wire bridge) OR To verify the laws of combination of resistances in parallel using a metre bridge (slide wire bridge).	April
3	To determine resistance of a galvanometer by half deflection method and to find its figure of merit.	July
4	To convert the given galvanometer of known resistance and figure of merit into a voltmeter of desired range and verify the same.	July
5	To find the value of v for different values of u in case of a concave mirror and to find the focal length.	August
6	To find the focal length of a convex lens by plotting graphs between u and v or between $1/u$ and $1/v$.	October
7	To determine angle of minimum deviation for a given prism by plotting a graph between angle of incidence and the angle of deviation.	November
8	To draw the I-V characteristic curve of a p-n junction in forward-bias and reverse-bias.	November

SUBJECT: CHEMISTRY (043)

Books: NCERT Chemistry Vol.1 and 2

Chapter Number	Chapter Name	Month
Chapter-6	Haloalkanes and Haloarenes	April
Chapter-7	Alcohols, Phenols and Ethers	April
Chapter-1	Solutions	May
Chapter-2	Electrochemistry	May/June
Chapter-8	Aldehyde, Ketone and Acids	July
Chapter-9	Organic compounds containing Nitrogen	August
Chapter-3	Chemical Kinetics	August/ September
Chapter-4	d and f block elements	October
Chapter-5	Coordination compounds	October/ November
Chapter-10	Biomolecules	November

SUBJECT- CHEMISTRY PRACTICAL

Sr. No.	Chapter Name	Month
1	To prepare Mohr salt of given strength and find out Molarity and Strength of given KMnO_4 solution. To prepare Oxalic acid of given strength and find out Molarity and Strength of given KMnO_4 solution.	April
2.	Salt Analysis Cation (zero, first group) Anion-Carbonate, Sulphite, Chloride, Nitrate, Acetate, Sulphate, Phosphate, oxalate	May
3	Salt Analysis Cation-2 and 3 group Anion-Carbonate, Sulphite, Chloride, Nitrate, Acetate, Sulphate, Phosphate, oxalate	July
4	Functional group- Alcohol, Phenol Carboxylic acid, Amines, Aldehyde, Ketones	July/ August
5	Salt Analysis Cation 4 and 5 group Anion-Carbonate, Sulphite, Chloride, Nitrate, Acetate, Sulphate, Phosphate, oxalate	September /October
6	Salt Analysis Cation-6th group Sulphate	October

SUBJECT: BIOLOGY (044)

Book: Biology Textbook For Class XII

Chapter Number	Chapter Name	Month
Chapter - 1 Chapter- 2	Sexual reproduction in flowering plants Human Reproduction	April- May
Chapter-3 Chapter- 4	Reproductive Health Principles of inheritance and variation	May- June
Chapter-5	Molecular Basis of Inheritance	July
Chapter-6	Evolution	August

Chapter-7	Human Health and Diseases	August -
Chapter-8	Microbes in Human Welfare	September
Chapter-9	Biotechnology Principles and Processes	October
Chapter 10	Biotechnology and its applications	
Chapter-11	Organisms and Populations	November
Chapter-12	Ecosystem	December
Chapter 13	Biodiversity and conservation	

SUBJECT: BIOLOGY PRACTICAL (044)

S.No.	Chapter Name	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, insects, birds). Pollen germination on stigma through a permanent slide or scanning electron microscope. <u>Controlled pollination - emasculation, tagging and bagging.</u>	April
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. <u>T.S. of blastula through permanent slides (Mammalian).</u>	May
3	Mendelian inheritance using seeds of different colour/sizes of any plant. July 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
5	Isolate DNA from available plant material such as spinach, green pea seeds, papaya, etc.	
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.	

SUBJECT: MATHEMATICS (041)

Book: NCERT FOR CLASS XII

Chapter Number	Chapter Name	Month
Chapter-3 Chapter-4 Chapter-1 Chapter-2	Matrices Determinants Relations and Functions Inverse Trigonometric Functions	April-May
Chapter-5 Chapter-6	Continuity and Differentiability Applications of Derivatives	July
Chapter-6 Chapter-12	Applications of Derivatives Linear Programming	August
Chapter-7	Integrals	September
Chapter-7 Chapter-8 Chapter-9	Integrals continued Applications of Integrals Differential Equations	October
Chapter-9 Chapter-10 Chapter-11 Chapter-13	Differential Equations Vector Algebra Three-Dimensional Geometry Probability	November

SUBJECT: APPLIED MATHEMATICS (241)

Book: APC BOOK BY M L AGGARWAL

Unit Number	Chapter Name	Month
Unit - II	Algebra	April
Unit - I	Numbers, Quantification and Numerical Applications	May-July
Unit - III	Calculus	July-August
Unit - VIII	Linear Programming	August
Unit - IV	Probability Distribution	August
	Revision	September
Unit - IV Unit - V	Probability Distribution Continued Inferential Statistics	October
Unit -VI	Index Numbers and Time-based data	November
Unit - VII	Financial Mathematics	November

SUBJECT: ECONOMICS (030)

Books: TR Jain and VK Ohri, Part A and B

Chapter Number	Chapter Name	Month
Unit 2	Money and Banking	April
Unit 5	Balance of payment	April -May
Unit 4	Government Budget	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	August - September

Unit 3	Determination of Income and Employment	October
Unit 8	Development experiences of India-A comparison with neighbors	November

SUBJECT: ACCOUNTANCY(055)

Books: T S GREWAL & D. K Goel (Reference books)

Chapter Number	Chapter Name	Month
	PART- A Accounting for partnership firms and Companies	
Chapter-1	Accounting for Partnership firms- Fundamentals	April
Chapter-2	Goodwill: Nature and Valuation	May
Chapter-4	Admission of a partner	May
Chapter-3	Change in profit sharing ratio among the existing partners	June/ July
Chapter-5	Retirement or Death of a partner	July
Chapter-6	Dissolution of a Partnership Firms	July
Chapter-7	Issue of Shares	August
Chapter-8	Issue of Debentures	August
	Revision	September
	PART-B Financial Statement Analysis	
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

SUBJECT: BUSINESS STUDIES (054)

Books: Part 1 and 2 by NCERT

Chapter Number	Chapter Name	Month
Chapter-9	Financial Management	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 -7	Directing	October
Chapter -8	Controlling	October
Chapter -12	Consumer Protection	November

SUBJECT: HISTORY (027)

Books :Themes in Indian History Part I, Part II, Part III

Chapter Number	Chapter Name	Month
Chapter - 1	Theme 1 Bricks, Beads and Bones The Harappan civilization	April
Chapter - 2	Theme-2 Kings, Farmers and Towns Early states and Economies(c.600BCE 600CE)	April
Chapter -3	Theme-3 Kingship, Caste and Class Early Societies (c. 600BCE 600CE)	May
Chapter - 4	Theme-4 Thinkers , Beliefs and Buildings Cultural Developments (c. 600 BCE 600 CE)	May
Chapter - 5	Theme-5 Through the Eyes of the Travellers Perceptions of Society (c. 10th to 17th centuries)	June
Chapter - 6	Theme-6 Bhakti-Sufi Traditions Changes in Religious Beliefs and Devotional Texts (c. 8th to 18th Centuries)	July
Chapter - 7	Theme-7 An Imperial Capital- Vijayanagar (c. 14th to 16th centuries)	July
Chapter - 8	Theme-8 Peasants, Zamindars and the States Agrarian Society and the Mughal Empire (c. 16th to 17th centuries)	August
Chapter - 9	Theme-9 Colonialism and The Countryside Exploring Official Archives Revision September	August
Chapter - 10	Theme-10 Rebels and Raj 1857 Revolt and its Representations	October
Chapter - 11	Theme-11 Mahatma Gandhi and the National Movement Civil Disobedience and Beyond	November
Chapter - 12	Theme-12 Framing of the Constitution The Beginning of a New Era	November

SUBJECT: POLITICAL SCIENCE (028)

Book-I: Contemporary World Politics

Book-II: Politics in India Since Independence

Chapter Number	Chapter Name	Month
Chapter – 1 Chapter -2	BOOK – I The End of Bipolarity Contemporary Centre of Power BOOK – II	April/May
Chapter -1 Chapter –2 Chapter -3	Challenges of Nation – Building Era of One-party dominance Politics of planned development	
Chapter – 3 Chapter – 4	BOOK -I Contemporary South Asia International Organizations	

Chapter – 4 Chapter -5	BOOK – II India’s External Relations Challenges to and Restoration of the Congress System	
Chapter – 5 Chapter – 6	BOOK – I Security in the Contemporary World Environment and Natural Resources BOOK – II	August
Chapter – 6 Chapter – 7	The Crisis of Democratic Order Regional Aspirations	
	Revision	September
Chapter-8	Recent Development in Indian Politics	October
Chapter-7	Globalisation	November

SUBJECT: PSYCHOLOGY (037)

Book: NCERT Psychology XII

Chapter Number	Chapter Name	Month
Chapter 1	Variations in Psychological Attributes	April
Chapter 2	Self and Personality	May& June
Chapter 3	Meeting Life Challenges	June & July
Chapter 4	Psychological Disorders	July & August
Chapter 5	Therapeutic Approaches	August
	Revision	September
Chapter 6	Attitude and Social Cognition	October
Chapter 7	Social Influence and Group Processes	November

SUBJECT: PSYCHOLOGY PRACTICAL (037)

Practical Number	Practical Name	Month
Practical 1	RSPM	June
Practical 2	EPQ	July
Practical 3	Self concept Questionnaire	August
Practical 4	Sodhi's attitude scale (SAS)	October
Practical 5	DBDA	November

SUBJECT: ENTREPRENEURSHIP (066)

Book: Entrepreneurship XII (NCERT)

Chapter Number	Chapter Name	Month
Chapter-1	Entrepreneurial Opportunity	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

SUBJECT: GEOGRAPHY(029)

Book 1: Fundamentals Of Human Geography

Book 2: India: People & Economy Book3: Practical

Chapter Number	Chapter Name	Month
	Book 1: Fundamentals Of Human Geography	
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
	Book 2: India: People & Economy	
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-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
	Book3: Practical	
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

SUBJECT: SOCIOLOGY(039)

Book I : Indian Society

Book II : Change and Development in India

Chapter Number	Chapter Name	Month
	Book 1 Indian Society	
Chapter 2	The Demographic Structure of the Indian Society	April
Chapter 3	Social Institutions: Continuity and Change	June/July
Chapter 5	Patterns of Social Inequality and Exclusion	July
Chapter 6	The Challenges of Cultural Diversity	October
	Book 2 Change and Development in India	
Chapter 1	Structural Change	April
Chapter 2	Cultural Change	May
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

SUBJECT: COMMERCIAL ARTS (052)

Book: History of an Indian Art

Chapter Number	Chapter Name	Month
Chapter-1	The Rajasthani School of Miniature painting	April -May
Chapter-2	The Pahari School of Miniature painting	
Chapter -3	The Mughal School of Miniature painting	July
Chapter-4	The Deccan school of Miniature painting	
Chapter- 5	The Bengal school of Painting	August
Chapter -6	The Indian National Flag	
	Revision and evaluation	September
Chapter-7	The Modern Trends in Indian art	October
Chapter -7	The Modern Trends in Indian art (contd)	November

SUBJECT: COMPUTER SCIENCE (083)

Book: Sumita Arora with Python

Chapter Number	Chapter Name	Month
Chapter -1	Python Revision Tour	April
Chapter -2	Python Revision Tour II	May
Chapter -3	Working with Functions	July
Chapter -4	Using Python Libraries	July
Chapter -5	File Handling	August
Chapter -8	Data Structures	August
Chapter -10	Communication and Network Concepts	September
Chapter -11	Relational Databases	September
Chapter -12	Simple Queries in SQL	October
Chapter -13	Table Creation and Data Manipulation Commands	November
Chapter -14	Grouping Records, Joins in SQL	November
Chapter -15	Interface Python with MySQL	November

SUBJECT: INFORMATICS PRACTICES (065)

Book: Sumita Arora

Chapter Number	Chapter Name	Month
Chapter -1	Data Handling using Pandas-I	April
Chapter -2	Data Handling using Pandas – II	May
Chapter -3	Plotting with PyPlot	July
Chapter -4	Importing / Exporting Data between CSV files and Pandas	
Chapter -6	MySQL Functions	August
Chapter -7	Querying using SQL	September

Chapter -9 Chapter -10	Introduction to Computer Networks Introduction to Internet & Web	October
Chapter -11 Chapter -12	Societal Impacts Data Protection	November

SUBJECT: PHYSICAL EDUCATION (048)

Book – Full Marks

Chapter Number	Chapter Name	Month
Unit – 1	Management of Sporting event	April
Unit – 2	Children and Women in Sports	May
Unit - 3	Yoga as Preventive measure for Lifestyle Diseases	July
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	Physiology and Injuries in Sports	August
Unit – 8	Biomechanics and Sports	September
Unit – 9 Unit – 10	Psychology and Sports Training in Sports	October/ November