

Somerville School

Vasundhara Enclave, Delhi – 110 096



Syllabus for Class XII 2024 – 2025

BOOK LIST – 2024 – 2025

SL. NO.	NAME	PUBLISHER	RATE
1	ENGLISH CORE (301)		
	1. FLAMINGO – TEXTBOOK FOR CLASS XII (CORE COURSE)	N.C.E.R.T.	UP
	2. VISTAS (SUPPLEMENTARY READER IN ENGLISH FOR CLASS XII)	N.C.E.R.T.	UP
2	MATHEMATICS (041)		
	1. MATHEMATICS - TEXTBOOK FOR CLASS XII – PART-I	N.C.E.R.T.	UP
	2. MATHEMATICS – TEXTBOOK FOR CLASS XII – PART-II	N.C.E.R.T.	UP
	3. MATHEMATICS – EXEMPLAR PROBLEMS (CLASS XII)	N.C.E.R.T.	UP
3	APP. MATH (241) –APPL. MATHS-CLASS XII BY M.L. AGGARWAL & NEERAJ RAJ JAIN	AVICHAL PUBLISHING COMPANY	UP
4	PHYSICSC (042)		
	1. PHYSICS – PART I - TEXTBOOK FOR CLASS - XII	N.C.E.R.T.	UP
	2. PHYSICS – PART II- TEXTBOOK FOR CLASS - XII	N.C.E.R.T.	UP
	3. COMPREHENSIVE PRACTICAL PHYSICS - XII	LAXMI PUBLICATIONS	UP
5	CHEMISTRY (043)		
	1. CHEMISTRY PART - I TEXTBOOK FOR CLASS XII	N.C.E.R.T.	UP
	2. CHEMISTRY PART - II TEXTBOOK FOR CLASS XII	N.C.E.R.T.	UP
	3. COMPREHENSIVE LABORATORY MANUAL IN CHEMISTRY-XII	LAXMI PUBLICATIONS	UP
6	BIOLOGY (044)		
	1. BIOLOGY – TEXTBOOK FOR CLASS XII	N.C.E.R.T.	UP
	2. COMPREHENSIVE LABORATORY MANUAL IN BIOLOGY- XII	LAXMI PUBLICATIONS (P) LTD	UP
7	COMPUTER SCIENCE (083)		
	COMPUTER SCIENCE WITH PYTHON –XII BY PREETI ARORA	SULTAN CHAND	UP
8	BUSINESS STUDIES (054)		
	1. BUSINESS STUDIES FOR XII – PART I	N.C.E.R.T.	UP
	2. BUSINESS STUDIES FOR XII – PART II		UP
9	ACCOUNTANCY (055)		
	1. DOUBLE ENTRY BOOK KEEPING – (VOL I, II) XII BY T. S. GREWAL	SULTAN CHAND	UP
	2. ANALYSIS OF FINANCIAL STATEMENTS – XII BY T. S. GREWAL		UP
10	ECONOMICS (030)		
	1. INTRODUCTORY MACROECONOMICS - TEXTBOOK IN ECONOMICS FOR CLASS XII	N.C.E.R.T.	UP
	2. INDIAN ECONOMIC DEVELOPMENT - TEXTBOOK IN ECONOMICS FOR CLASS XII	N.C.E.R.T.	UP
11	HISTORY (027)		
	1.THEMES IN INDIAN HISTORY – PART-I	N.C.E.R.T.	UP
	2.THEMES IN INDIAN HISTORY – PART-II	N.C.E.R.T.	UP
	3.THEMES IN INDIAN HISTORY – PART-III	N.C.E.R.T.	UP
12	POLITICAL SCIENCE (028)		
	1. POLITICS IN INDIA SINCE INDEPENDENCE - TEXTBOOK IN POLITICAL SCIENCE FOR CLASS XII	N.C.E.R.T.	UP
	2. CONTEMPORARY WORLD POLITICS - TEXTBOOK IN POLITICAL SCIENCE FOR CLASS XII	N.C.E.R.T.	UP
13	PSYCHOLOGY (037)		
	PSYCHOLOGY – TEXTBOOK FOR CLASS XII	N.C.E.R.T.	UP
14	PHYSICAL EDUCATION (048)		
	HEALTH AND PHYSICAL EDUCATION FOR CLASS XII - TEXTBOOK OF PHYSICAL EDUCATION BY DR. V. K. SHARMA	SARASWATI HOUSE (P) LTD.	UP
15	APPLIED ART (052)		
	HISTORY OF INDIAN ART – PART-II	N.C.E.R.T.	UP

16	INFORMATION TECHNOLOGY (802)		
	1. EMPLOYABILITY SKILLS TEXT BOOK FOR CLASS XII	N.C.E.R.T.	UP
	2. DATA BASE MANAGEMENT APPLICATIONS –STUDENT HAND BOOK CLASS XII	CBSE	UP

STATIONERY LIST – 2024 – 2025

SL. NO.	ITEM	DESCRIPTION	TOTAL NO. REQUIRED	RATE / PIECE
1	NOTEBOOKS	100 PAGES SINGLE LINED NOTEBOOKS A-4 SIZE	2	50/-
2	NOTEBOOKS	200 PAGES SINGLE LINED NOTEBOOKS A-4 SIZE	3	90/-
3	PRACTICAL NOTEBOOK FOR PHYSICS	ITC CLASSMATE -150 PAGES	1	100/-
4	PRACTICAL NOTEBOOK FOR CHEMISTRY	ITC CLASSMATE -184PAGES	1	100/-
5	BIOLOGY	FILE WITH INTERLEAVED SHEETS	1	70/-
6	PHY. EDUCATION	PRACTICAL FILE (SARASWATI)	1	UP
7	APPLIED ART	IVORY SHEETS (A-3 SIZE-25 SHEETS) CARTRIDGE SHEET (A-2 SIZE-25 SHEETS – HALF IMPERIAL) POSTER COLOUR SET (CAMLIN)	01 PACKET 01 PACKET 01 PACKET	170/- 140/- 100/-
8	MATHS ACTIVITY FILE	FILE WITH INTERLEAVED SHEETS	1	70/-

SYLLABUS FOR THE YEAR 2024 - 2025**MONTH : APRIL**

S.NO.	SUBJECTS	TOPIC/ CHAPTER
1.	ENGLISH	Course Book: 1. My Mother at Sixty-Six - Kamala Das (<i>Poem</i>) 2. Keeping Quiet - Pablo Neruda (<i>Poem</i>) 3. Deep Water - William Douglas 4. Aunt Jennifer's Tigers - Adrienne Rich (<i>Poem</i>) 5. Lost Spring-Anees Jung Writing Skill 1. Invitations (Formal/Informal-Replies)
2.	PURE MATHS	Chapter-3: Matrices Chapter - 4: Determinants
3.	CHEMISTRY	Unit 6 Haloalkanes and Haloarenes Unit 7 Alcohols, Phenols and Ethers
4.	PHYSICS	Unit 1: Electrostatics Unit II: Current Electricity
5.	BIOLOGY	Chapter 4: Principles of Inheritance and Variation Chapter.5: Molecular Basis of Inheritance
6.	HISTORY	Theme 1: Bricks, Beads and Bones (B1) Theme 2: Kings, Farmers and Towns (B1) The Earliest states Early Empire Notions of Kingship Theme 3 : Kingship, caste and Class (B1) Mahabharata and social order
7.	ECONOMICS	MACRO ECONOMICS Unit -1 National income and Related Aggregates INDIAN ECONOMIC DEVELOPMENT Development Policies and Experience 1947-1990 Ch-1 Indian Economy on the eve of independence , Ch-2 Indian Economy 1950-1990
8.	POLITICAL SCIENCE	Chapter 1. Challenges of Nation building (B1) Chapter 2. Era of One-Party Dominance (B1) Chapter 3. Politics of Planned Development (B1)
9.	ACCOUNTANCY	Unit 1- Accounting for partnership firms 1. Partnership Fundamentals 2. Goodwill 3. Change in profit sharing ratio among existing Partners

10.	BUSINESS STUDIES	Unit 11- Marketing Management Unit1 -Nature and Significance of Management. Unit 2- Principles of Management
11.	PSYCHOLOGY	1. Intelligence and Aptitude 2. Self and Personality
12.	PHYSICAL EDUCATION	Unit 1: Management of supporting events
13.	COMPUTER SCIENCE	Chapter 7 Relation Data Bases and SQL
14	APPLIED ART	L-1 Introduction to miniature paintings, Rajasthani and Pahari schools of art (theory) L-2 Study of basic concept of illustration
15	INFORMATION TECHNOLOGY	SUBJECT SPECIFIC SKILLS Unit 1: Database Concepts – RDBMS tool
16	APPLIED MATHS	Unit 2 Algebra Unit 1 Numbers, Qualifications and Numerical Applications

MONTH: MAY

S.NO.	SUBJECTS	TOPIC/ CHAPTER
1.	ENGLISH	Course Book: 5. The Last Lesson - Alphonse Daudet (Short Story) 6. A Thing of Beauty- John Keats (Poem) 7. A Roadside Stand (Poem) Robert Frost Supplementary Reader: 1. The Third Level – Jack Finney 2.The Enemy- Pearl S Buck Writing Skill: 2. Report 3. Invitations (Formal/ Informal - Revision)
2.	PURE MATHS	Chapter 1: Relations and Functions Chapter 2 Inverse Trigonometric Functions Chapter – 5: Continuity and Differentiability
3.	CHEMISTRY	Unit 8 Aldehydes, Ketones and Carboxylic acids Unit 9 Amines
4.	PHYSICS	Unit II: Current Electricity(ctd) Unit III- Magnetic Effects of Current & Magnetism
5.	BIOLOGY	Chapter 6: Evolution Chapter.1: Sexual Reproduction in Flowering Plants Chapter 2: Human Reproduction

6.	HISTORY	Theme 4: Thinkers, Beliefs and Buildings (B1) Beliefs of Buddhism and Jainism Theme 5: Through the Eyes of Travellers (B2)
7.	ECONOMICS	MACRO ECONOMICS Unit-2 Money and Banking INDIAN ECONOMIC DEVELOPMENT Economic Reforms since 1991 Chapter-3 Liberalization, Privatization and Globalization
8.	POLITICAL SCIENCE	Chapter 4. India's External Relations (B1) Chapter 5. Challenges and Restoration of the Congress System (B1) Chapter 6. The Crisis of Democratic Order (B1)
9.	ACCOUNTANCY	Chapter 4. Admission of a Partner Chapter 5. Retirement and Death of a Partner
10.	BUSINESS STUDIES	Unit 3- Business environment Unit 4-Planning Unit 5- Organizing
11.	PSYCHOLOGY	Chapter 3. Human Strengths and Meeting Life Challenges Practical : Introduction to Psychological Testing and Two Psychological Tests
12.	PHYSICAL EDUCATION	Unit 2; Children and women in sports Unit. 3: Yoga as preventive measure for Lifestyle disease Practical 1: SAI KHELO INDIA FITNESS TEST
13.	COMPUTER SCIENCE	Chapter 7: Relational Data Bases and SQL(continued) Chapter 8 :Interface Python with SQL
14	APPLIED ART	L-3 Mughal and Deccan school of miniature painting L-4 Book Illustrations
15	INFORMATION TECHNOLOGY	SUBJECT SPECIFIC SKILLS Unit -1: Database Concepts – RDBMS tool (Continued) EMPLOYABILITY SKILLS Unit-1:Communication Skills-IV
16	APPLIED MATHS	Unit 3 Calculus

MONTH: JULY

S.NO.	SUBJECTS	TOPIC/ CHAPTER
1.	ENGLISH	Course Book: 8. Going Places - A.R. Barton (Short Story) 9. The Rat Trap - Selma Lagerlof (Short Story) Supplementary Reader: 3. On the Face of it- Susan Hill 4. Memories of Childhood – Zitkala Sa, Bama Writing Skills: 3. Job Application (Revision) 4. Letter to the Editor (Revision)
2.	PURE MATHS	Chapter – 6 Application of Derivatives Chapter – 7: Integrals
3.	CHEMISTRY	Unit 1 Solutions Unit 2 Electrochemistry
4.	PHYSICS	Unit IV Electromagnetic Induction & AC Unit :- V Electromagnetic Waves
5.	BIOLOGY	Chapter 3: Reproductive Health Chapter 7: Human Health and Disease
6.	HISTORY	Theme 6: Bhakti and Sufi Traditions (B2) Theme 7: An Imperial Capital: Vijaynagara (B2) Theme 8: Peasants, Zamindars and The State (B2)
7.	ECONOMICS	MACRO ECONOMICS Unit -3 Determination of Income and Employment INDIAN ECONOMIC DEVELOPMENT Chapter 5-Human Capital Formation
8.	POLITICAL SCIENCE	Chapter 1. End of Bipolarity (B2) Chapter 2. Alternative Centers of Power (B2) Chapter 3. Contemporary South Asia (B2)
9.	ACCOUNTANCY	Chapter 6. Dissolution of a Partnership firm Unit 3- Analysis of Financial Statements 1. Financial Statements of a Company 2. Financial Statement Analysis 3. Comparative and Common size Statements
10.	BUSINESS STUDIES	Unit 6- Staffing Unit 7- Directing
11.	PSYCHOLOGY	Chapter 4. Psychological Disorders Chapter 5. Therapeutic Approaches and Counselling
12.	PHYSICAL EDUCATION	Unit 4: Physical Education & Sports for CWSN (Children with special needs-Divyang) Unit 5: Sports and nutrition Unit 6: Test & Measurement in Sports

13.	COMPUTER SCIENCE	Chapter 1 Review of Python Basics Chapter 2 Functions
14	APPLIED ART	L-5 Bengal school of Indian Art L-6 Study of human figure
15	INFORMATION TECHNOLOGY	SUBJECT SPECIFIC SKILLS Unit2: Operating Web based Applications EMPLOYABILITY SKILLS Unit 2: Self-management Skills- IV Unit 3: Information and Communication Technology Skills- IV
16	APPLIED MATHS	Unit-4 Probability Distribution Unit-5 Inferential Statistics

MONTH: AUGUST

S.NO.	SUBJECTS	TOPIC/ CHAPTER
1.	ENGLISH	Course Book: 10. . The Interview – Christopher Silvester & Mukul Padmanabhan Supplementary Reader: 5. Journey to the End of the Earth-Tishani Doshi. 6. The Tiger King Writing Skills: 5: Notice Writing (Revision) 6. Article
2.	PURE MATHS	Chapter – 8 : Application of Integrals Chapter – 9 Differential Equations Chapter – 10: Vector Algebra
3.	CHEMISTRY	Unit 3 Chemical Kinetics Unit 4 The d- And f- Block Elements
4.	PHYSICS	Unit VI : Optics (Ray and Wave optics)
5.	BIOLOGY	Chapter 8: Microbes in Human Welfare Chapter 9: Biotechnology: Principles and Processes Chapter 10: Biotechnology and its Application
6.	HISTORY	Theme 9: Colonialism and the Countryside (B3) Theme 10: Rebels and the Raj (B3)
7.	ECONOMICS	INDIAN ECONOMIC DEVELOPMENT Chapter 6-Rural Development Chapter7-Employment: Growth, Informalisation and other related issues Chapter9-Environment and Sustainable Development

8.	POLITICAL SCIENCE	Chapter 4. International Organisations (B2) Chapter 5. Security in Contemporary World (B2) Chapter 6. Environment and Natural Resources (B2) Chapter 7. Globalization (B2)
9.	ACCOUNTANCY	Unit 3- Analysis of Financial Statements 4. Ratio Analysis 5. Cash Flow Statement
10.	BUSINESS STUDIES	Unit 8 –Controlling Unit 12 - Consumer Protection
11.	PSYCHOLOGY	Chapter 6. Attitude and Social Cognition Practical - One Psychological Test Chapter 7. Social Influence and Group Processes
12.	PHYSICAL EDUCATION	Unit 7: Physiology & Injuries in Sports Unit 8: Biomechanics & Sports Practical2:YOGA (Lifestyle Disease)
13.	COMPUTER SCIENCE	Chapter 3 Exception Handling Chapter 4 Data file Handling Submission of Practical File
14	APPLIED ART	L-7 Influence of wash color technique in India L-8 Poster Making L -9 Contemporary art in India L-10 Poster making in color
15	INFORMATION TECHNOLOGY	SUBJECT SPECIFIC SKILLS Unit-3: JAVA (Introduction) EMPLOYABILITY SKILLS Unit4: Entrepreneurial Skills-IV Unit 5: Green Skills- IV
16	APPLIED MATHS	Unit- 6-Index Numbers and Time Based Data Unit-7 – Financial Mathematics

MONTH: SEPTEMBER:

Revision: Half Yearly Examination
ALS: Assessment of Listening and Speaking Skills

MONTH: OCTOBER

S.NO.	SUBJECTS	TOPIC/ CHAPTER
1.	ENGLISH	Course Book: 12. Poets and Pancakes- Asokamitran 13. Indigo – Louis Fischer
2.	PURE MATHS	Chapter – 11: Three – Dimensional Geometry Chapter – 12: Linear Programming Chapter – 13: Probability

3.	CHEMISTRY	Unit 5 Coordination Compounds Unit 10 Biomolecules
4.	PHYSICS	Unit VII Dual Nature Of Matter And Radiation Unit – VIII Atoms And Nuclei Unit-IX Electronic Devices
5.	BIOLOGY	Chapter 11: Organisms and Population Chapter 12: Ecosystem Chapter 13: Biodiversity and its Conservation
6.	HISTORY	Theme 11: Mahatma Gandhi and the Nationalist Movement (B3) Theme 12: Framing the Constitution (B3)
7.	ECONOMICS	MACRO ECONOMICS Unit 4: Government Budget and the Economy Unit 5:Balance of Payments INDIAN ECONOMIC DEVELOPMENT Chapter10- Development Experience of India, Pakistan and China
8.	POLITICAL SCIENCE	Chapter 7. Rise of Popular Movements (B1) Chapter 8. Regional Aspirations (B1) Chapter 9. Recent Development in Indian Politics (B1)
9.	ACCOUNTANCY	Unit 2- Company Accounts 1.Issue of Share Capital 2.Issue of Debentures
10.	BUSINESS STUDIES	Unit -9 Financial Management Unit-10 Financial Market
11.	PSYCHOLOGY	Chapter 8. Psychology and Life Practical - One Psychological Test Chapter 9..Developing Psychological Skills Practical - One Psychological Test and Case Profile
12.	PHYSICAL EDUCATION	Unit 9: Psychology & Sports Unit 10: Training in sports Practical 3 : ONE GAME OF YOUR OWN CHOICE
13.	COMPUTER SCIENCE	Chapter 5-Data Structures in Python Chapter 6- Computer Networks
14	APPLIED ART	L-11 Introduction of Canvas painting in India L-12 Portrait study L-13 Art of Amrita Shergill, Raja Ravi Verma, The Tagores. L-14 Animal figure study
15	INFORMATION TECHNOLOGY	SUBJECT SPECIFIC SKILLS Unit-3: JAVA (Continued) Unit4: Work Integrated Learning IT-DMA

16	APPLIED MATHS	Unit -7 Financial Mathematics (Continued) Unit-8 Linear Programming
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MONTH: NOVEMBER

S.NO.	SUBJECTS	TOPIC/ CHAPTER
1.	ENGLISH	Revision: Writing Skills & Literature Pre Board 1 Examinations ALS: PROJECT & VIVA
2.	PURE MATHS	Revision for Pre Board Examinations
3.	CHEMISTRY	Revision for Pre Board Examinations
4.	PHYSICS	Revision for Pre Board Examinations
5.	BIOLOGY	Revision for Pre Board Examinations
6.	HISTORY	Revision for Pre Board Examinations
7.	ECONOMICS	Revision for Pre Board Examinations
8.	POLITICAL SCIENCE	Revision for Pre Board Examinations
9.	ACCOUNTANCY	Revision for Pre Board Examinations
10.	BUSINESS STUDIES	Revision for Pre Board Examinations
11.	PSYCHOLOGY	Revision for Pre Board Examination
12.	PHYSICAL EDUCATION	Revision for Pre Board Examination
13.	COMPUTER SCIENCE	Submission of Practical file and Project with Project file Revision for Pre Board Examinations
14.	APPLIED ART	Revision for Pre Board Examinations
15.	INFORMATION TECHNOLOGY	Submission of Practical File and Project with Project File Revision for Pre Board Examinations
16.	APPLIED MATHS	Revision for Pre Board Examinations

MONTH : DECEMBER

S.NO.	SUBJECTS	TOPIC/ CHAPTER
1.	ENGLISH	Pre Board Examination and Revision
2.	PURE MATHS	Pre Board Examination and Revision
3.	CHEMISTRY	Pre Board Examination and Revision

4.	PHYSICS	Pre Board Examination and Revision
5.	BIOLOGY	Pre board Examination and Revision
6.	HISTORY	Pre Board Examination and Revision
7.	ECONOMICS	Pre Board Examination and Revision
8.	POLITICAL SCIENCE	Pre Board Examination and Revision
9.	ACCOUNTANCY	Pre Board Examination and Revision
10.	BUSINESS STUDIES	Pre Board Examination and Revision
11.	PSYCHOLOGY	Pre Board Examination and Revision
12.	PHYSICAL EDUCATION	Pre Board Examination and Revision
13.	COMPUTER SCIENCE	Pre Board Examination and Revision
14.	APPLIED ART	Pre Board Examination and Revision
15.	INFORMATION TECHNOLOGY	Pre Board Examination and Revision
16.	APPLIED MATHS	Pre Board Examination and Revision

MONTH : JANUARY

S.NO.	SUBJECTS	TOPIC/ CHAPTER
1.	ENGLISH	Pre Board Examination and Revision
2.	PURE MATHS	Pre Board Examination and Revision
3.	CHEMISTRY	Pre Board Examination and Revision
4.	PHYSICS	Pre Board Examination and Revision
5.	BIOLOGY	Pre Board Examination and Revision
6.	HISTORY	Pre Board Examination and Revision
7.	ECONOMICS	Pre Board Examination and Revision
8.	POLITICAL SCIENCE	Pre Board Examination and Revision
9.	ACCOUNTANCY	Pre Board Examination and Revision
10.	BUSINESS STUDIES	Pre Board Examination and Revision
11.	PSYCHOLOGY	Pre Board Examination and Revision
12.	PHYSICAL EDUCATION	Pre Board Examination and Revision
13.	COMPUTER SCIENCE	Pre Board Examination and Revision
14.	APPLIED ART	Pre Board Examination and Revision
15.	INFORMATION TECHNOLOGY	Pre Board Examination and Revision
16.	APPLIED MATHS	Pre Board Examination and Revision