

HANSRAJ MODEL SCHOOL

Senior Secondary Department

Class XII (2024-25)

HALF YEARLY SYLLABUS

S.NO.	SUBJECT	TOPIC(S) TO BE TESTED
1	ACCOUNTANCY	Partnership Company accounts Issue of shares
2	BIOLOGY	1. Sexual reproduction in flowering plants 2. Human reproduction 3. Reproductive health 4. Principles of inheritance and variation 5. Molecular basis of inheritance 6. Microbes in human welfare 7. Biotechnology principles and processes 8. Biotechnology and its applications 9. Ecosystem
3	BUSINESS STUDIES	Chapter 1-Nature and Significance of Management Chapter 2-Principles of Management Chapter 3- Business Environment Chapter 4- Planning Chapter 5-Organising Chapter 6-Staffing Chapter 7-Directing Chapter 8- Controlling
4	CHEMISTRY	1. Haloalkanes and Haloarenes 2. Alcohols, Phenols and Ethers 3. Aldehydes, Ketones and Carboxylic acids 4. Amines 5. Solutions 6. Chemical Kinetics
5	COMPUTER SCIENCE	Unit 1: Computational Thinking and Programming – 2 Revision of Class XI Python, Functions, Exception Handling, Text Files, CSV Files, Binary Files, Data

		<p>Structure: Stacks</p> <p>Unit 3: Database Management</p> <p>Database concepts, Relational Data Model, Structured Query Language, Interface of Python with SQL database</p>
6	ECONOMICS	<p>MACRO ECONOMICS</p> <p>National Income Accounting Money and Banking Government Budget and Economy Foreign exchange rate and BOP</p> <p>INDIAN ECONOMIC DEVELOPMENT</p> <p>Indian Economy on the eve of Independence Indian Economy 1950-1990 New Economic policy 1991 Human capital formation Rural Development</p>
7	ENGINEERING GRAPHICS	<p>Isometric projection</p> <p>ISO scale Single solid Double solid</p> <p>Machine parts</p> <p>Threads, Nut & Bolts, combination of nut & bolt</p> <p>Assembly/ Disassembly</p> <p>Bushed bearing Open bearing Sleeve n cotter joint</p>
8	ENGLISH	<p>Reading Section</p> <p>*Comprehension passages - 2</p> <p>Writing Skills:</p> <p>*Notice Writing *Invitations-formal and informal *Letter to the Editor/Job application *Article /Report Writing</p> <p>Literature</p> <p>Flamingo:</p> <p>*The last lesson *Lost spring *Deep water *The Rattrap *Indigo</p> <p>Poems:</p> <p>*My mother at 66 *Keeping quiet *A Thing of beauty</p>

		<p>Vistas: *The Third Level *The Tiger king *Journey to the end of the Earth *The Enemy</p>
9	GEOGRAPHY	<p>Book 1 Chapters 1-3 Book 2 Chapters 1-4 Chapter 6 Chapter 9</p>
10	HOME SCIENCE	<p>1.Chapter-1 Work, Livelihood and Career 2.Chapter-2 Clinical Nutrition and Dietetics 3.Chapter-3 Public Health and Nutrition 4.Chapter-5 Food Processing and Technology 5.Chapter-6 Food Quality and Food Safety 6 Chapter -7 Early Childhood Care and Education 7.Chapter- 10 Management of Support Services,Institutions and Programmes for children,Youth and elderly. 8.Chapter-11 Design for Fabric and Apparel 9.Chapter-12 Fashion Design and Merchandising 10.Chapter -15 Care and Maintenance of Fabrics in Institutions.</p>
11	INFORMATICS PRACTICES	<p>Unit 1: Data Handling using Pandas -I and Data Visualization Unit 2: Database Query using SQL Unit 3: Introduction to Computer Networks</p>
12	MATHEMATICS	<p>1. Relations and Functions 2. Inverse Trigonometric function 3. Matrices 4. Determinants 5. Continuity and differentiability 6. Application of derivatives 7. Integrals(upto Ex 7.7) 8. Linear programming</p>
13	PHYSICAL EDUCATION	<p>Unit-1 Management of Sporting events Unit-2 Children and women in sports Unit-3 Yoga as Preventive measure for lifestyle disease Unit-4 Physical education & sports for(CWSN) Unit -5 Sports & Nutrition Unit -6 Test and Measurement in Sports</p>

14	PHYSICS	Chapter 1 Electric charges and fields Chapter 2 Electrostatic Potential and capacitance Chapter 3 Current electricity Chapter 4 Moving charges and Magnetism Chapter 5 Magnetism and Matter Chapter 6 Electromagnetic Induction Chapter 7 Alternating current Chapter 8 Electromagnetic Waves Chapter 14 Semiconductor Electronics
15	POLITICAL SCIENCE	1)The End Of Bipolarity 2)Contemporary Centres Of power 3)International Organisations 4)Security in the Contemporary World 5)Environment and Natural Resources 6)Globalisation 7)Challenges of Nation Building 8)Era of One party Dominance 9)Politics of Planned Development
16	PSYCHOLOGY	1.Chapter-1 Variations in Intelligence. 2.Chapter-2 Self and Personality. 3.Chapter-3 Meeting Life Challenges. 4.Chapter-4 Psychological Disorders. 5.Chapter-5 Therapeutic Approaches.
17	PAINTING	1. Rajsthani miniature painting, pahadi school of miniature painting. 2. Mughal and deccani miniature painting. 3. Bengal School.
18	TOURISM	1) Introduction to Travel and Tour Business operations 2) Operations of travel agency 3) Transport network 4) Itinerary Planning Employability Skills 1) communication skills-IV 2) Self Management Skills-IV
19	WEB APPLICATIONS	PART A <ul style="list-style-type: none"> • · Communication Skills • · ICT Skills PART B

		<ol style="list-style-type: none">1. Movie Editing Tools2. Customizing and Embedding components in Web Pages3. Java Script<ul style="list-style-type: none">· Review of Javascript· Javascript Variables· Javascript Operators· Javascript Datatypes· Strings· Control structures· Loops in Javascript· Arrays in Javascript· Array Properties and Methods· Functions in Javascript
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