



Maharani Gayatri Devi Girls' School
Sawai Ram Singh Road, Jaipur

SYLLABUS:-PRE BOARDS
CLASS - XII
SESSION -2022-2023

S.NO	SUBJECT	SYLLABUS	MARKS	EXAM DURATION
1	ENGLISH	<p>FLAMINGO</p> <p>The last lesson Lost spring My mother at sixty-six Deep water Keeping quiet The rattrap Indigo Poets and pancakes The interview A thing of beauty A roadside stand Going places Aunt jennifer's tigers</p> <p>VISTAS</p> <p>The Third level The tiger king Journey to the end of the earth The enemy On the face of it Memories of childhood The cutting of my long hair We too are human beings</p> <p>WRITING SKILLS</p> <p>Notice writing Job application Formal invitation and replies Letter to the editor Report writing Article writing</p>	80	3 hrs
2	BIOLOGY	Chapter 2 : Sexual Reproduction in Flowering	70	3 hrs

		Plants Chapter 3 : Human Reproduction Chapter 4 : Reproductive Health Chapter 5 : Principles of Inheritance and Variation Chapter 6 : Molecular Basis of Inheritance Chapter 7 : Evolution Chapter 8 : Human Health and Disease Chapter 10 : Microbes in Human Welfare Chapter 11 : Biotechnology : Principles and Processes Chapter 12 : Biotechnology and its Applications Chapter 13 : Organisms and Populations Chapter 15 : Biodiversity and Conservation		
3	BIOTECHNOLOGY	Unit V-Chapter 1Recombinant DNA Technology, Chapter 2- Protein structure, Chapter 3-Bioinformatics, Unit VI-Chapter 1Microbial culture Chapter ii: Plant Cell culture, Chapter III-Animal Cell culture	70	3 hrs
4	PHYSICS	Unit 1 –Electrostatics, Unit 2 -Current electricity .Unit 3- Magnetic effect of current and magnetism ,Unit 4 -EMI and AC, Unit 5 -EM waves ,Unit 6	70	3 hrs

		Optics(Ch 9-Ray optics, Ch 10 -Wave Optics), Unit 9- Electronic devices (Ch 14- Semiconductor Electronics).Unit 7 -Dual nature of Radiation and matter Unit VIII: Atoms and nuclei		
5	CHEMISTRY	Unit 2- Solutions, Unit 3- Electrochemistry, Unit 4- Chemical Kinetics, Unit 8- The d-and f-Block Elements, Unit 9- Coordination Compounds, Unit 10- Haloalkanes and Haloarenes, Unit 11- Alcohols, Phenols and Ethers, Unit 12- Aldehydes, Ketones, Carboxylic Acid, Unit 13- Organic Compounds containing Nitrogen, Unit 14- Biomolecules	70	3 hrs
6	HOME SCIENCE	Unit-I Ch-1 Work livelihood and career, Unit-II Ch-2 Clinical nutrition and dietetics, Ch-3 Public nutrition and health , Ch-5 Food processing and technology, Ch-6 Food quality and food safety, Unit-III Ch-7 Early childhood care and education, Ch-10 Management of support services, institutions and programmes for children,	70	3 hrs

		<p>youth, and elderly, Unit-IV Ch-11 Design for fabric and apparel, Ch-12 Fashion design and merchandising, Ch-15 Care and maintenance of fabric in institutions, Unit-V Ch-17 Hospitality management Ch-20 consumer education and protection, Unit-VI Ch-21 Development communication and journalism</p>		
7	GEOGRAPHY	<p>Geography- Book 1 India people and economy Unit 1 Chapter 1 Population: Distribution, Density, Growth and composition Chapter 2 Migration: Types, causes consequences Chapter 4 Human settlements. Chapter 5 Land Resources and Agriculture Chapter 6 Water Resources Chapter 7 Mineral and Energy Resources Chapter 9 Planning and Sustainable Development in India Chapter 10 Transport and Communication Chapter 11 International Trade Chapter 12 Geographical Perspective on Selected Issues and Problems.</p> <p>Book 2 Fundamentals of Human Geography Chapter 1 Human Geography: Nature and Scope Chapter 2 The world population: Distribution, density and growth</p>	70	3 hrs

		<p>Chapter 4 Human Development</p> <p>Chapter 5 Primary activities</p> <p>Chapter 6 Secondary activities</p> <p>Chapter 7 Tertiary and Quaternary activities</p> <p>Chapter 8 Transport and Communication</p> <p>Chapter 9 International Trade</p>		
8	HISTORY	<p>Themes in India</p> <p>Chapter 1 Bricks, beads and bones</p> <p>Chapter 2 Kings, caste and class</p> <p>Chapter 3 kingship, caste ad class</p> <p>Chapter 4 Thinkers, Believes and Building</p> <p>Chapter 5 Through the eyes of Traveller</p> <p>Chapter 6 Bhakti - Sufi Traditions</p> <p>Chapter 7 An empirial capital - VIJAYGNAGAR</p> <p>Chapter 8 Peasants , zamindars and state.</p> <p>Chapter10- Colonialism and the country side</p> <p>Chapter 11- Rebels and the Raj</p> <p>Chapter 13- Mahatma Gandhi and the Nationalist movement</p> <p>Chapter 15- Framing the constitution</p>	80	3 hrs
9	POLITICAL SCIENCE	<p>Part a:</p> <p>Contemporary world politics</p> <p>1.The end of bipolarity</p> <p>2.New centres of power</p> <p>3.Contemporary south asia</p> <p>4.United nations and its organisations</p> <p>5. Security in</p>	80	3 hrs

		<p>contemporary world</p> <p>6. Environment and natural resources</p> <p>7. Globalization</p> <p>Part b: Politics in india since independence</p> <p>1. Challenges of nation building</p> <p>2. Planned development</p> <p>3. India's foreign policy</p> <p>4. Parties and party system in india</p> <p>5. Democratic resurgence</p> <p>6. Regional aspirations</p> <p>7. Indian politics: recent trends and developments</p>		
10	PSYCHOLOGY	<p>Chapter 1- Variations in Psychological Attributes</p> <p>Chapter 2- Self and Personality</p> <p>Chapter 3- Meeting Life Challenges</p> <p>Chapter 4- Psychological Disorders</p> <p>Chapter 5- Therapeutic Approaches</p> <p>Chapter 6- Attitude &</p>	70	3 hrs

		Social Cognition Chapter 7- Social Influence & Group Processes		
11	SOCIOLOGY	Book 1- Indian Society Ch 2- The Demographic Structure of Indian Society Ch 3: Social Institutions: Continuity and Change Ch 5: Patterns of Social Inequality and Exclusion Ch 6: The Challenges of Cultural Diversity Book 2- Social Change and Development in Indian Society Ch 1- Structural Change Ch 2- Cultural Change Ch 4- Change and Development in Rural Society Ch 5- Change and Development in Industrial Society Ch 8- Social Movements	80	3 hrs
12	संस्कृत	अपठित गद्यांशम्, अनुवादः, पत्रलेखनम्, संवादपूर्तिः/ कथालेखनम्, व्याकरणम् - संधिः, प्रत्ययाः, समासः, उपपदविभक्तिः पाठाः -1, 3,4,5,6,7,9,11 साहित्य परिचयः- महाकाव्य, गद्यकाव्य, चम्पूकाव्य, नाट्यसाहित्य	80	3 hrs
13	HINDI	आरोहः 1. रघुवीर सहाय-कैमरे मे बंद अपाहिज 2. उमाशंकर जोशी -छोटा मेरा खेत, बगुलों के पंख 3. फिराख गोरखपुरी-रुबाइयाँ 4. सूर्यकान्त त्रिपाठी निराला-बादल राग 5. तुलसीदास-कवितावली राम विलाप और लक्ष्मण मूर्च्छा 6. बाबा साहब भीमराव अंबेडकर 7. धर्मवीर भारती-काले मेघा पानी दे	80अंक	3 घंटे

		<p>8.फणीश्वरनाथ नाथ रेणु- पहलवान की ढोलक</p> <p>वितान:</p> <p>9.अतीत में दबे पाँव 10.जूझ</p> <p>अभिव्यक्ति और माध्यम:</p> <p>1.विभिन्न माध्यमों के लिए लेखन 2.कहानी कैसे लिखें 3.कैसे बनती है कविता 4. विशेष लेखन 5.अपठित गद्यांश 6.अपठित पद्यांश</p>		
14	HINDUSTANI INSTRUMENTAL MELODY MUSIC	<p>Paribhashayain : Ghamak,Zamzama, Alankaar,Meend,Gram,murchhana , Vara,alapa, kan, tana,krintan,ghaseet, sut, khatka, Murki</p> <p>Study of the following:Classificationof raagas, Ancient,Medieval and modern Historical development of time theory of ragas</p> <p>Detail study of the following: 1.sangeet Ratnakar, 2. Sangeet Parijat. Life sketch & contribution of inayat khan, Mushtaq Ali Khan, Alauddin Khan, Abdul Halim Zafar</p> <p>.Description of prescribed talas along with tala notation:- Thah, Dugun, Tigun & Chaugun</p> <p>.Study of the various parts of the instrument opted. For</p> <p>Critical study of prescribed ragas along with recognizing ragas from phrases of swaras and elaborating them</p>	30	2Hrs.

		Writing in Notation the composition of prescribed ragas		
15	VOCAL MUSIC	<p><u>Unit 1</u> Brief study of the following- Alankar, Kan, Meend, Khatka, Murki, Gamak Brief study of the following- Gram, Murchhana, Alap, Tana</p> <p><u>Unit 2</u> Historical development of Time Theory of Ragas</p> <p><u>Unit 3</u> Detail study of the following- Sangeet Ratnakar Sangeet Parijat Life sketch and contribution of Faiyaz Khan, Bade Gulam Ali</p> <p><u>Unit 4</u> Description of prescribed Talas along with Tala Notation with Thah, Dugun, Tigun and Chaugun Jhaptal Rupak Dhamar.</p> <p>Tuning of Tanpura <u>Unit 5</u> Writing in notation the composition of prescribed</p>	30	2Hrs.

		Ragas Bhairav Bageshri Malkauns		
16	HINDUSTANI MUSIC PERCUSSION	SHORT NOTES OF THE FOLLOWING UTHAN. COMPARATIVE STUDY OF THE FOLLOWING: CHAUTALA-EKTALA JHAPTALA-SULTALA LAYAKARI AND IT'S VARIETIES BRIEF DESCRIPTION OF GHARANA OF TABLA OR PAKHAWAJ HISTORY OF TABLA BIOGRAPHIES OF PANDIT KISHAN MAHARAJ, AND USTAD ZAKIR HUSSAIN SILENT FEATURE OF STYLE AND BIOGRAPHY RAJA CHATRAPATI SINGH, GURU PURUSHOTAM WRITING NOTATION OF THE PRESC COMPOSITIONS RECOGNITION OF TALAS FROM GIVEN PORTION OF THE THEKAS AND COMPOSITIONS. PRESCRIBED TALAS: TEENTALA OR ADI TALA, RUPAK OR TEVRA	30	2Hrs.
17	PAINTING AND COMMERCIAL ART	RAJASTHANI PAHARI, DECCAN AND MUGHAL SCHOOL OF MINIATURE PAINTING, THE	30	2 hrs

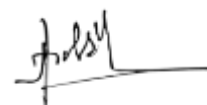
		,BENGALSCHOOL OF PAINTING AND THE MODERN TRENDS IN INDIAN ART		
18	MATHEMATICS	<ol style="list-style-type: none"> 1. Relations and Functions 2. Inverse Trigonometric Functions 3. Matrices 4. Determinants 5. Continuity and Differentiability 6. Application of Derivatives 7. Integrals 8. Applications of Integrals 9. Differential Equations 10. Vector Agebra 11. Three Dimensional Geometry 12. Linear Programming 13. Probability 14. Relations and Functions 15. Inverse Trigonometric Functions 16. Matrices 17. Determinants 18. Continuity and Differentiability 19. Application of Derivatives 20. Integrals 21. Applications of Integrals 22. Differential Equations 23. Vector Agebra 24. Three Dimensional Geometry 25. Linear Programming Probability	80	3 hrs
19	APPLIED MATHEMATICS	<ol style="list-style-type: none"> 1. Numbers , Quantifications and Numerical Applications 2. Numerical Inequalities 3. Matrices 4. Determinants 5. Differentiation 	80	3 hrs

		6. Applications Of Derivatives 7. Integrals 8. Differential Equations 9. Probability 10. Inferential Statistics 11. Time based Data 12. Perpetuity, Sinking Funds and EMI 13. Returns, Growth and Depreciation 14. Linear Programming Problems 15. Probability		
20	ACCOUNTANCY	Part:A Book:Accounting for partnership 1. Fundamentals 2. Calculation of Goodwill 3.change in profit sharing ratios 4. Admission of a partner 5. Retirement of a partner 6. Death of a partner 7.Dissolution of partnership firm Company accounting 1. Accounting for share capital 2. Issue of debentures Part:B Book:Analysis of financial statement 1. Financial statement of a company 2. Financial statement analysis 3.Accounting ratios 4.Cash flow statement	80	3 hrs
21	BUSINESS STUDIES	Part A :Principles and Functions of Management Unit1 :Nature and Significance of Management Unit 2 :Principles of Management Unit 3: BusinessEnvironment Unit 4 :Planning Unit 5: Organising Unit 6 :Staffing Unit 7: Directing Unit 8: Controlling PART B: Business Finance and Marketing.	80	3 hrs

		Unit 9: Financial Management Unit 10 : Financial Markets Unit 11:Marketing Unit 12: Consumer Protection		
22	ECONOMICS	Part A - Introductory Macroeconomics Unit -1 National Income and Related Aggregates Unit - 2 Money and Banking Unit 3 Theory of Income and Output Unit -4 Government Budget and the Economy Unit -5 Balance of Payments and Foreign Exchange Rate Part B - Indian Economic Development Unit -6 Development Experience (1947-90) and Economic Reforms Since 1991 Unit -7 Current Challenges facing Indian Economy - Human Capital Formation and Rural Development Unit 8 Employment and Unemployment Unit 9 Environment and Sustainable Development Unit 10 Development Experience of India and its Neighbours	80	3 hrs
23	ENTREPRENEURS HIP	Unit 1: Entrepreneurial opportunity Unit : 2 Enterprise Planning Unit 3 : Enterprize Marketing. Unit 4: Enterprise Growth Strategies Unit 5 Business Arithmetic Unit 6 Resource Mobilization	70	3 hrs

24	COMPUTER SCIENCE	Ch 1 &2 Python Revision Tour Ch 3 Working with Functions Ch 4 Using Python Libraries Ch 5 File Handling Ch 8 & 9 Data Structures - Data Structure: Stack, operations on stack (push & pop), implementation of stack using list. Ch 10 Communication & Network Concepts Ch 11, 12, 13, 14 - Database Management Ch 15 – Interface Python with MySQL	70	3 hrs
25	INFORMATICS PRACTICES	Ch 1,3,4 Pandas – I,Plotting with pyplot, importing/exporting data between CSV files Ch 5,6,7 – MySql Ch 9,10,11,12 – Computer networks	70	3 hrs
26	PHYSICAL EDUCATION	Chapter-1. Management of Sporting events Chapter-2. Children and Women in Sports Chapter-3. Yoga as preventive measures for lifestyle disease Chapter-4. Physical Education & Sports for CWSN (Children with special needs) Chapter-5. Sports and Nutrition Chapter-6. Test and Measurement in Sports Chapter-7. Physiology & Injury in Sports Chapter-8. Biomechanics & Sports Chapter-9. Psychology and Sports Chapter-10. Traing in	70	3 hrs.

		Sports		
27	Dance (Bharatanatyam)	<p>1. Acquaintance with life history of the chief exponents and contributors of the past of the Dance form. (Rukmini Devi Arundale, Balasaraswati, Meenakshi Sundaram Pillai, Tanjore quartette)</p> <p>2. Knowledge of the following terms: -Sangeeta, Tala, Laya (Definition of the term, seven talams, three layams) -Rasa (names of the nine rasas and their English meanings)</p> <p>3. Acquaintance with the traditional costumes, make- up.</p> <p>4. Acquaintance with the contents of the Abhinaya Darpana. (The chapters and the aspects of dance dealt within them).</p>	30	2 hrs



PRINCIPAL