ARMY PUBLIC SCHOOL, BANGALORE

CLASS XII - TIME TABLE & PORTIONS FOR HALF YEARLY EXAM

SUBJECT	CHAPTERS	DURATION	MARKS
ENGLISH	FLAMINGO 1. The Last Lesson 2. Lost Spring 3. Deep Water 4. The Rattrap 5. Indigo POETRY 1. My Mother At Sixty Six 2. Keeping Quiet 3. A Thing of Beauty VISTAS 1. The Third Level 2. The Tiger King 3. Journey to the End of the Earth 4. The Enemy WRITING SKILLS 1. Notice Writing 2. Report Writing 3. Letter to the Editor	3 Hrs	80
PHYSICS	1 Electrostatics 2.Electrostatic potential and capacitance 3.Current electricity 4.Moving charges and magnetism 5. Magnetism and Matter 6.Electromagnetic Induction 7.Alternating Current 8.Electromagnetic Waves 9.Ray optics and Optical Instruments	3 Hrs	70
CHEMISTRY	UNIT 1 : SOLUTIONS UNIT 2 : ELECTROCHEMISTRY UNIT 3 : CHEMICAL KINETICS UNIT 5 : COORDINATION COMPOUNDS UNIT 6 : HALOALKANES AND HALOARENES UNIT 7 : ALCOHOLS, PHENOLS AND ETHERS UNIT 10 : BIOMOLECULES	3 Hrs	70
MATHEMATICS		3 Hrs	80

	CHAPTER1: RELATIONS AND FUNCTIONS CHAPTER2: INVERSE TRIGONOMETRIC FUNCTIONS CHAPTER3: MATRICES CHAPTER4: DETERMINANTS CHAPTER5: CONTINUITY AND DIFFERENTIABILITY CHAPTER6: APPLICATIONS OF DERIVATIVES CHAPTER7: INTEGRALS CHAPTER8: APPLICATION OF INTEGRALS CHAPTER12: LINEAR PROGRAMMING		
INFORMATICS PRACTICES	Data Handling using Pandas : Introduction to Python libraries- Pandas, Matplotlib. Data structures in Pandas - Series and Data Frames. Series: Creation of Series from – list , tuple , range function , dictionary, scalar value with positional indexing and labelled indexing Ndarray – purpose , creation , methods – arange() , rand(), randint() and tile(). Creation of Series from ndarray, with positional indexing and labelled indexing. Using loops to create loop data and loop index Series - Mathematical operations (Arithmetic and Vector operations) , Head , Tail and count functions , Selection, Indexing and Slicing. Attributes of Series. Boolean indexing DataFrame: Creation - from dictionary of Series, list of dictionaries , dictionary of lists . Display, iteration over dataframe , Operations on rows and columns: add , select , delete, rename; Head and Tail functions; Attributes of DataFrame , Indexing using Labels, Boolean Indexing , Filtering data in data frame using conditions . Importing / Exporting Data between CSV files and Data Frames. Data Visualization : Matplotlib , pyplot , Purpose of plotting; drawing and saving following types of plots using Matplotlib – line plot , Multiline , Bar graph, horizontal bar and histogram, Customizing plots: adding label, title, and legend in plots.	**3 Hrs**	**70**
PHYSICAL EDUCATION	1. Management of Sporting Events 2. Children and Women in Sports 3. Yoga as Preventive measure for Lifestyle Disease 4. Test and Measurement in Sports 5. Physical Education & Sports for (CWSN)	**3 Hrs**	**70**

Subject	Syllabus	Duration	Marks
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.Evolution 7.Human Health and Diseases 8.Microbes in Human Welfare 9.Biodiversity and Conservation	3 Hrs	70
ACCOUNTANCY	Chapter 1 - Partnership- Fundamentals Chapter 2 - Need and Valuation of Goodwill Chapter 3 - Reconstitution of Partnership Chapter 4 - Admission of a Partner Chapter 5 -Retirement and Death of a partner Chapter 6 - Dissolution of a partnership firm Chapter 7 - Accounting for share capital Chapter 8 - Accounting for Debentures	3 Hrs	80
ECONOMICS	Unit 1: National income and related aggregates Unit 2: Money and Banking Unit 3: Determination of Income and Employment Unit 6: Development experience (1947-90) and Economic Reforms since 1991 Unit 7: Upto Human Capital Formation	3 Hrs	80
BUSINESS STUDIES	1. Nature and Significance of management 2. Principles of management 3. Business Environment 4. Planning 5. Organising 6. Staffing 7. Directing 8. Controlling 9. Consumer protection	3 Hrs	80
PSYCHOLOGY	Chapter-1 Variations in Psychological Attributes Chapter-2 Self and Personality Chapter-3 Meeting Life Challenges Chapter -4 Psychological Disorders Chapter-5 Therapeutic Approaches till Behaviour Therapy	3 Hrs	70
SOCIOLOGY	BOOK1 Chapter 2: The Demographic structure of Indian society Chapter 3: Continuity and change chapter 5: Patterns of Social inequality and Exclusion Chapter 6: The challenges to cultural Diversity BOOK 2 Chapter 1: Structural change chapter 2: Cultural change.	3 Hrs	80

HISTORY	1. Theme 1 Bricks Beads and Bones 2. Theme 2.Kings Farmers and Towns 3. Theme 3.Kinship, Caste and Class 4. Theme 4.Thinkers, Beliefs and Building 5. Theme 5.Through the eyes of Travellers 6. Theme 6. Bhakti, Sufi and Traditions 7. Theme 7. An Imperial Capital Vijayanagar 8. Theme 8. Peasants, Zamindars and the State	**3 Hrs**	**80**
LEGAL STUDIES	Unit-1-Judiciary Unit-2-Alternative Dispute Resolution in India (ADR) Unit-3-Topics in Law 1(Business Laws) Chapter-3(A)-Law of Contract Chapter-3(B)-Law of Torts Chapter-3(C)-Law of Property Chapter-3(D)-Intellectual Property Law Unit-4-Topics in Law ll(General Laws) Chapter-4(A)-Law and Sustainable Development Chapter-4(B)-Forms of Legal Entities Chapter-4(C)-Criminal Laws in India Unit-5-Concept of Human Rights Chapter-5(A)-Human Rights in India Chapter-5(B)-Human Rights Violations-Complaint Mechanism (Quasi-Judicial Bodies)	**3 Hrs**	**80**
PAINTING	Mughal and Deccan Miniature school	**2 Hrs**	**30**

DATE / CLASS	18 SEP 2024 WEDNESDAY	20 SEP 2024 FRIDAY	23 SEP 2024 MONDAY	25 SEP 2024 WEDNESDAY	27 SEP 2024 FRIDAY	30 SEP 2024 MONDAY
XII A	CHEM	INFO/PAINTING/PE/ PSYCHOLOGY	MATHS	ECO	ENG	PHY
XII C	CHEM	INFO/PAINTING/PE/ PSYCHOLOGY	MATHS	BIO	ENG	PHY
XII D	B.ST	INFO / PE / PAINTING / LEGAL STUDIES	MATHS	ECO	ENG	ACC
XII E	PSYCHOLOGY	INFO / PE / PAINTING / LEGAL STUDIES	MATHS	ECO/ HISTORY	ENG	SOCIOLOGY