

ARMY PUBLIC SCHOOL, AHMEDNAGAR PRE-BOARD-I SYLLABUS (2024 – 2025) GRADE-XII	
SUBJECTS	SYLLABUS
<b>ENGLISH</b>	<b>Entire syllabus (Flemingo: 6 Prose &amp; 5 Poems, Vistas: 7 Prose)</b>
	Section A: Reading Skills
	Section B: Creative writing skills.
	Section C: Literature.
<b>HINDI</b>	संपूर्ण पाठ्यक्रम तीनों पुस्तकें आरोह- 9 कविताएं और गद्य खंड से चार्ली चैपलिन और नमक को छोड़कर सारे पाठ शामिल हैं।
	अभिव्यक्ति और माध्यम से 6पाठ संख्या ३,४,५, ११,१२,१३
	अपठित गद्यांश और पद्यांश, रचनात्मक लेखन,
<b>MATHEMATICS</b>	1. relation and functions
	2. inverse trigonometry function
	3. matrices
	4. determinants
	5. continuity and differentiation
	6. application of derivative
	7. integration
	8. application of integration
	9. differential equation
	10. linear programming problem
	11. vector algebra
	12. three dimension geometry
	13. probability
<b>PHYSICS</b>	Physics Part 1- Chapter 1,2,3,4,5,6,7,8
	Physics Part 2 - Chapter 9,10,11,12,13,14
	Entire syllabus
<b>CHEMISTRY</b>	
	<b>Solutions</b>
	<b>electrochemistry</b>
	<b>chemical kinetics</b>
	<b>d block elements</b>
	<b>coordination compounds</b>
	<b>Haloalkanes haloarenes</b>
	<b>Alcohol and phenols</b>
	<b>aldehyde ketones and carboxylic acid</b>
<b>BIOLOGY</b>	Sexual Reproduction in Flowering Plants
	Human Reproduction
	Reproductive Health
	Principles of Inheritance and Variations
	Molecular Basis of Inheritance
	Evolution
	Human Health and Diseases
	Microbes in Human Welfare
	Biotechnology- Principles and Processes
	Applications of Biotechnology
<b>ACCOUNTANCY</b>	<b>Unit 1: Accounting for Partnership Firms</b>
	Accounting for partnership firms- Fundamentals
	Goodwill: Nature and Valuation
	Change in profit sharing ratio
	Admission of a partner
	Retirement and Death of a partner
	Dissolution of partnership firm
	Total Weightage (Unit 1)
	<b>Unit 2: Accounting for Companies</b>
	Accounting for Share Capital
	Accounting for Debentures
	Total Weightage (Unit 2)
	<b>Unit 3: Analysis of Financial Statements</b>
	Financial statements of a Company
	Tools for Financial Statement Analysis
	Total Weightage (Unit 3)
	<b>Unit 4: Cash Flow Statement</b>
<b>B.STUDIES</b>	<b>Part A. Principles and Functions of Management</b>
	Nature and Significance of Management

	Principles of Management	
	Business Environment	
	Planning	
	Organizing	
	Staffing	
	Directing	
	Controlling	
	Total	
	<b>Part B. Business Finance and Marketing</b>	
	Financial Management	
	Financial Markets	
	Marketing Management	
	Consumer Protection	
	Total	
<b>ECONOMICS</b>	INDIAN ECONOMIC DEVELOPMENT (CH 1,2,3,4)	
	INDIAN ECONOMIC DEVELOPMENT (CH 5,6,7,8)	
	MACRO ECONOMICS (CH 10,11 & 12)	
<b>HISTORY</b>	Themes in Indian History 1( ch.1,2,3,4)	
	Themes in Indian History 2 ( ch. 5,6,7,8)	
	Themes in Indian History 3( ch 10,12,13,15)	
	Map work	
<b>POL.SCIENCE</b>	Complete syllabus ,	
	BOOK -1 WORLD POLITICS	
	ch 2 ,4 , 5 , 6 , 7 , 8 & ch 9	
	BOOK -2 POLITICS IN INDIA SINCE INDEPENDENCE	
	ch 1, 2 , 3, 4 , 5 , 6 , 8 & ch 9	
<b>P.E</b>	1. Management in Sporting event	
	2. Children and Women in Sports	
	3. Yoga and lifestyle diseases	
	4. Physical Education & sports for CWSN	
	5. Sports and Nutrition	
	6. Test & measurement in Sports	
	7. Physiology and injuries in Sports	
	8. Biomechanics and Sports	
	9. Psychology and Sports	
	10. Training in Sports	
	Data Handling using Pandas and Data Visualization	
	Python libraries- Pandas, Matplotlib. Data structures in Pandas - Series and Data Frames. Series: Creation of Series from – ndarray, dictionary, scalar value; mathematical operations; Head and Tail functions; Selection, Indexing and Slicing.  Data Frames: creation - from dictionary of Series, list of dictionaries, Text/CSV files; display; iteration; Operations on rows and columns: add, select, delete, rename; Head and Tail functions; Indexing using Labels, Boolean Indexing;  Importing/Exporting Data between CSV files and Data Frames.  Data Visualization Purpose of plotting; drawing and saving following types of plots using Matplotlib – line plot, bar graph, histogram. Customizing plots: adding label, title, and legend in plots.	
<b>Informatics Practices</b>	Database Query using SQL	
	ALL topics	
	Introduction to Computer Networks	
	Types of network: LAN, MAN, WAN. Network Devices: modem, hub, switch, repeater, router, gateway Network Topologies: Star, Bus, Tree, Mesh. Internet, URL, WWW, and its applications- Web, email, Chat, VoIP. Website: Introduction, difference between a website and webpage, static vs dynamic web page, web server and hosting of a website. Web Browsers: Introduction, commonly used browsers, browser settings, add-ons and plug-ins, cookies.	
	Societal Impacts	
	Digital footprint, net and communication etiquettes, data protection, intellectual property rights (IPR), plagiarism, licensing and copyright, free and open source software (FOSS), cybercrime and cyber laws, hacking, phishing, cyber bullying, overview of Indian IT Act. E-waste: hazards and management.	
<b>PAINTING</b>	Rajasthani, Pahari,Mughal, Deccan Miniature schools	
	National flag, Progressive group artists of freedom struggle	
	Bengal school ,Modern Trends.	

<b>MUSIC</b>	Raga	
	Tala	
	Definition	
	Sangeet Parijat/Sangeet Ratnakar	
	Dhamar	
<b>GEO</b>	Fundamentals of Human Geography- All Chapters	
	India People and Economy- All Chapters	
<b>NCC</b>	<b>COMMON SUBJECT</b>	
	Unit - 1 : National Integration and Awareness	
	unit - 2 Drill	
	unit - 3 Weapon Training	
	Unit - 4 Personality Development and leadership	
	unit- 5 Disaster Manage	
	unit - 6 Social Awareness community Development	
	unit - 7 Health and Hygiene	
	unit - 8 Adventure Training and Obstacle Training	
	unit - 9 Enviroment Awareness and Conservation	
	<b>SPECIAL SUBJECT</b>	
	Unit - 1 : ARMED FORCES	
	unit - 2 MAP READING	
	unit - 3 FCBC	
	Unit - 4 WEAPON TRAIING	
	unit- 5 MILITARY HISTORY	
	unit- 6 COMMUNICATION	
<b>HOME SCIENCE</b>		
	Food quality	
	food safety	
	early childhood care and education	
	food processing and technology	
	clinical nutrition	
	Public Nutrition	
	Work Livelihood and career	
	Design of Fabric And Apparel	