

ARMY PUBLIC SCHOOL KALUCHAK
SYLLABUS FOR ENTRANCE EXAMINATION CLASS XII
2026-27

SUBJECT	TOPICS
Chemistry	<ol style="list-style-type: none"> 1. Some basic concepts of chemistry 2. Structure of atom 3. Chemical bonding and molecular structure 4. Thermodynamics 5. Organic chemistry some basic principles and techniques 6. Hydrocarbons
English	<ol style="list-style-type: none"> 1. Comprehension 2. Debate writing 3. Speech writing 4. Grammar – <ol style="list-style-type: none"> A. Editing B. Omission C. Verb Forms D. Tenses E. Clauses F. Gap-Filling G. Rearrangement of sentences
PHE	<ol style="list-style-type: none"> 1. Olympic value education 2. Yoga 3. Psychology & sports 4. Anatomy & Physiology in sports. 5. Biomechanics in sports 6. Sports training 7. Test and measurement
Sociology	<ol style="list-style-type: none"> 1. Sociology & Society 2. Term concepts and uses in sociology 3. Social Institutions 4. Culture and socialization 5. Introducing western sociologists 6. Indian Sociologists
Business Studies	<ol style="list-style-type: none"> 1. Evolution and Fundamentals of Business, Trade and Commerce 2. Forms of Business Organisation 3. Private, Public and Global Enterprises 4. Business Services 5. Emerging Modes of Business 6. Social Responsibilities of Business and Business Ethics 7. Sources of Business Finance 8. Small Business and Enterprises 9. Internal Trade 10. International Business
Biology	<ol style="list-style-type: none"> 1. Biological classification 2. Plant kingdom 3. Animal kingdom 4. Morphology of flowering plants 5. Anatomy of plants 6. Cell as a unit of life 7. Biomolecules 8. Cell cycle 9. Photosynthesis 10. Respiration in plants 11. Plant growth and development 12. Respiration and breathing- animals

	13. Body fluids and circulation 14. Excretion 15. Movement and locomotion 16. Neural control 17. Chemical control and coordination
Psychology	1. What is psychology 2. Methods of enquiry in psychology 3. Human development 4. Sensory, attentional and perceptual processes 5. Learning 6. Human memory 7. Thinking 8. Motivation and emotion
Political Science	1. Rights in the Indian Constitution 2. Legislature 3. Executive 4. Judiciary 5. secularism 6. Liberty 7. Equality. 8. Local Government
Physics	1. Mechanical Properties of solid 2. Mechanical properties of fluid 3. Thermodynamics 4. Kinetic theory of gas 5. Oscillation and wave
Accountancy	Unit-1: Theoretical Frame Work <ul style="list-style-type: none"> • Introduction to Accounting • Basic Accounting Terms • Theory Base of Accounting • Bases of Accounting Unit-2: Accounting Process <ul style="list-style-type: none"> • Accounting Equation • Accounting Procedures-Rules of Debit and Credit • Journal • Ledger • Special Purpose Books – Cash Book and Others Books • Accounting of Goods and Services Tax (GST) • Trial Balance • Depreciation • Provisions and Reserves • Rectification of Errors Unit 3: Financial Statements of Sole Proprietorship <ul style="list-style-type: none"> • Financial Statements of Sole Proprietorship • Adjustments in Preparation of Financial Statements • Accounting from Incomplete Records- Single Entry System
Maths	1. Sets 2. Relation and function 3. Trigonometry 4. Complex Number 5. Linear Inequality 6. Permutation and combination 7. Binomial Theorem 8. Sequence and series 9. Straight lines

	<ul style="list-style-type: none"> 10. Conic section 11. Limits and derivatives 12. Probability
NCC	<p>Common Subjects</p> <ul style="list-style-type: none"> 1. Unit – 1 The NCC 2. Unit – 2 National Integration and awareness 3. Unit – 3 Drill 4. Unit – 4 Weapon Training 5. Unit – 5 Personality development and Leadership 6. Unit – 6 Disaster management and Civil affairs 7. Unit – 7 Social awareness Community Development 8. Unit – 8 Health & Hygiene 9. Unit – 9 Adventure and obstacle training 10. Unit – 10 Environment awareness and conservation. <p>Specialized Subject (Army)</p> <ul style="list-style-type: none"> 1. Unit – 1 Armed Forces 2. Unit – 2 Map Reading 3. Unit – 3 Field craft and Battle Craft 4. Unit – 4 Communication 5. Unit – 5 Military History
Geography	<ul style="list-style-type: none"> 1. Geography; nature and scope 2. Origin and evolution of the earth 3. Interior of the earth 4. Distribution of ocean and continents 5. Geomorphic processes 6. Atmosphere structure and composition 7. Climate of india 8. Water in atmosphere 9. Water (oceans) 10. Biodiversity 11. India size and location 12. Physiographic divisions of india 13. Drainage system of india 14. Soil 15. Natural hazards
Economics	<p>Introductory Microeconomics</p> <p>Unit I: Introduction</p> <p>Meaning of microeconomics and macroeconomics; positive and normative economics</p> <p>What is an economy? Central problems of an economy: what, how and for whom to produce; concepts of Production Possibility Frontier and Opportunity Cost.</p> <p>Unit II:</p> <p>Consumer's Equilibrium and Demand</p> <p>Consumer's equilibrium</p> <p>Meaning of Utility, Marginal Utility, Law of Diminishing Marginal Utility, conditions of consumer's equilibrium using marginal utility analysis.</p> <p>Indifference curve analysis of consumer's equilibrium the consumer's budget (budget set and budget line), preferences of the consumer (indifference curve, indifference map) and conditions of consumer's equilibrium.</p> <p>Demand, market demand, determinants of demand, demand schedule, demand curve and its slope, movement along and shifts in the demand curve; price elasticity of demand - factors affecting price elasticity of demand; measurement of price elasticity of demand - percentage-change method and total expenditure method.</p>

	<p>Unit III: Producer Behaviour and Supply Meaning of Production Function - Short-Run and Long-Run Total Product, Average Product and Marginal Product. Returns to a Factor Cost - Short run costs - Total Cost, Total Fixed Cost, Total Variable Cost; Average Cost; Average Fixed Cost, Average Variable Cost and Marginal Cost - meaning and their relationships. Revenue: Total Revenue, Average Revenue and Marginal Revenue - meaning and their relationship. Producer's Equilibrium - meaning and its conditions in terms of Marginal Revenue Marginal Cost. Supply, market supply, determinants of supply, supply schedule, supply curve and its slope, movements along and shifts in supply curve, price elasticity of supply; measurement of price elasticity of supply - percentage-change method.</p> <p>Unit IV: Perfect Competition - Price Determination and simple applications. Perfect competition: Features; Determination of market equilibrium and effects of shifts in demand and supply. (Short Run Only) Simple Applications of Demand and Supply: Price ceiling, Price floor.</p>
<p>Computer Science</p>	<ol style="list-style-type: none"> 1. Computer system organization 2. Data representation and Boolean Logic 3. Conditional and looping constructs 4. Strings and lists in python 5. Python modules 6. Society, law and ethics 7. Cyber safety