ADRE 3.0 2027

Complete Subject-Wise Detailed Syllabus

The ADRE 3.0 2027 syllabus is designed as a complete preparation framework covering General Knowledge (GK), Geography, Mathematics, Reasoning and English. Candidates should approach the syllabus systematically, beginning with basic concepts and moving towards application-based topics, revision and mock-test practice. Special attention should be given to Assam General Knowledge, Assam History, Assam Geography, North-East India, current affairs, arithmetic mathematics, logical reasoning and practical English grammar. GK preparation should cover Assam's history, geography, districts, rivers, national parks, wildlife, culture, literature, festivals, personalities, state symbols, polity, economy, government schemes and current affairs. Assam History should include the major phases from Pragjyotisha and Kamarupa through the Varman, Mlechchha, Salastambha and Pala dynasties, the Ahom Kingdom, Ahom-Mughal conflicts, Battle of Saraighat, Moamoria Rebellion, British rule and the freedom movement. Geography should cover India and the world, including map-based questions on states, capitals, rivers, mountains, national parks, dams, ports, islands, straits and important locations. Mathematics should progress from number system, LCM-HCF, simplification, percentage, average, ratio and proportion to profit-loss, interest, algebra, surds and indices, AP-GP, time and work, speed-distance, boats and streams, trains, pipes and cisterns, mensuration, trigonometry, statistics, data interpretation, probability and mixture-alligation. Reasoning should cover analogy, classification, series, coding-decoding, blood relations, direction sense, ranking, syllogism, statements, puzzles, seating arrangements and non-verbal reasoning. English should focus on grammar and vocabulary, including parts of speech, articles, tenses, subject-verb agreement, prepositions, conjunctions, voice, narration, error detection, sentence improvement, synonyms, antonyms, idioms, one-word substitutions, cloze tests and comprehension. Current affairs should be studied separately for Assam, North-East India, national and international events, government schemes, appointments, awards, sports, economy, science and technology. Each chapter should be followed by practice questions, previous-year questions and revision. This syllabus is structured to make preparation easier to track and can also be used as a checklist for completing each chapter and concept.

GENERAL KNOWLEDGE (GK)

Assam GK

☐ Topic	Details / Coverage
☐ Assam at a Glance	Location, area, population, capital, largest city, divisions, districts and subdivisions
☐ Assam Boundaries	Neighbouring states, Bhutan and Bangladesh borders, important border districts
☐ Assam Districts	Headquarters, formation, area, population, rivers, places, products and personalities
☐ Assam Geography	Brahmaputra Valley, Barak Valley, hills, plains and forests
☐ Assam Rivers	Brahmaputra, Barak and major tributaries
☐ Waterways	NW-2, NW-16, river ports, inland water transport and terminals
☐ Bridges	Bogibeel, Bhupen Hazarika Setu, Saraighat, Kolia Bhomora and Naranarayan
☐ National Parks	Kaziranga, Manas, Nameri, Orang, Dibru-Saikhowa, Dehing Patkai and Raimona
☐ Wildlife Sanctuaries	Pobitora, Hoollongapar, Chakrashila, Bornadi, Laokhowa, Amchang and others
☐ Environment	Ramsar sites, wetlands, forests, biodiversity and conservation projects
☐ Agriculture	Rice, tea, jute, mustard, sugarcane, pulses and horticulture
☐ Industries	Tea, oil, natural gas, petrochemicals, handloom and handicrafts

Assam History

☐ Topic	Details / Coverage
☐ Ancient Assam	Pragjyotisha, Kamarupa and early historical sources
☐ Varman Dynasty	Pushyavarman, Bhaskaravarman, Xuanzang and Harshavardhana
☐ Mlechchha Dynasty	Origin, rulers, administration and significance
☐ Salastambha Dynasty	Founder, rulers, administration, society, culture, inscriptions and decline
☐ Pala Dynasty of Kamarupa	Origin, rulers, administration, inscriptions and decline
☐ Ahom Kingdom	Sukapha, establishment, expansion and administration
☐ Paik System	Organisation, functions and importance
☐ Ahom-Mughal Conflicts	Major battles and causes
☐ Battle of Saraighat	Lachit Borphukan, Ram Singh and significance
☐ Other Kingdoms	Koch, Chutia, Kachari, Dimasa and Jayantia

☐ Topic	Details / Coverage
☐ Moamoria Rebellion	Causes, phases, leaders, British intervention and consequences
☐ British Assam	Treaty of Yandabo, British administration and tea industry
☐ Freedom Movement	Non-Cooperation, Civil Disobedience and Quit India Movement
☐ Freedom Fighters	Maniram Dewan, Piyali Barua, Kanaklata Barua, Kushal Konwar and others
☐ Post-Independence Assam	Assam Movement, Assam Accord and North-East reorganisation

Culture, Literature & Arts

☐ Topic	Details / Coverage
☐ Festivals	Rongali, Bhogali and Kati Bihu, Ambubachi and Jonbeel Mela
☐ Tribal Festivals	Ali-Aye-Ligang, Baishagu and Me-Dam-Me-Phi
☐ Dance	Sattriya and traditional folk dances
☐ Music	Borgeet, folk music and traditional instruments
☐ Vaishnavite Culture	Srimanta Sankardeva, Madhavdeva, Sattra and Naamghar
☐ Literature	Charyapada, medieval, Orunodoi and modern Assamese literature
☐ Important Writers	Lakshminath Bezbaroa, Hemchandra Barua, Mamoni Raisom Goswami and others
☐ Important Works	Kirtan Ghoxa, Borgeet, Ankiya Naat and Hemkosh
☐ Theatre	Bhaona, Ankiya Naat and Mobile Theatre
☐ Cinema	Joymoti, Jyotiprasad Agarwala and Assamese cinema
☐ Traditional Arts	Weaving, Muga/Eri silk, masks, jewellery and handicrafts

Assam Polity & Administration

☐ Topic	Details / Coverage
☐ State Executive	Governor, Chief Minister and Council of Ministers
☐ State Legislature	Legislative Assembly, Speaker, Deputy Speaker and procedure
☐ Judiciary	Gauhati High Court and judicial administration
☐ Local Government	Panchayati Raj, municipalities and municipal corporations
☐ Autonomous Councils	BTR, KAAC and DHAC
☐ Administration	Chief Secretary, departments and important institutions
☐ Elections	Lok Sabha and Legislative Assembly constituencies
☐ Current Government	Current Governor, Chief Minister, ministers and office holders

Assam Economy & Schemes

☐ Topic	Details / Coverage
☐ Assam Economy	GSDP, agriculture, industry, services and employment
☐ Assam Budget	Revenue, expenditure, major allocations and announcements
☐ Agriculture	Major crops, irrigation, fisheries and livestock
☐ Industries	Tea, petroleum, natural gas, petrochemicals, handloom and handicrafts
☐ Government Schemes	Women, students, farmers, health, education, employment and rural development
☐ Scheme-Based Questions	Scheme name, launch year, department, target group and benefits

North-East India

☐ Topic	Details / Coverage
☐ Eight States	Assam, Arunachal Pradesh, Manipur, Meghalaya, Mizoram, Nagaland, Tripura and Sikkim
☐ State Facts	Capitals, languages, formation dates, symbols and important places
☐ Tribes	Major tribes and distribution
☐ Geography	Mountains, rivers, lakes, passes and geographical features
☐ Culture	Festivals, traditions, dances, costumes and languages
☐ Economy	Agriculture, industries, tourism and natural resources
☐ Autonomous Institutions	Important autonomous councils and tribal administration

India & General GK

☐ Topic	Details / Coverage
☐ Indian History	Ancient, Medieval and Modern India
☐ Freedom Movement	Major movements, leaders and important events
☐ Indian Geography	Rivers, mountains, states, capitals, parks and resources
☐ Indian Polity	Constitution, Parliament, President, Prime Minister and judiciary
☐ Indian Economy	Basic economic terms, banking, budget and major sectors
☐ National Symbols	Symbols, important days and national institutions
☐ Awards	Bharat Ratna, Padma Awards, sports and literary awards
☐ Important Personalities	National leaders, scientists, writers, artists and sportspersons
☐ Organisations	UN, WHO, IMF, World Bank, WTO and other organisations

Current Affairs

☐ Topic	Details / Coverage
☐ Assam Current Affairs	Schemes, appointments, awards, infrastructure, GI tags and major events
☐ North-East	Regional developments, projects, appointments and achievements
☐ National	Government policies, laws, awards, appointments and major events
☐ International	Summits, organisations, conflicts and agreements
☐ Economy	Budget, RBI, banking, inflation and economic reports
☐ Science & Technology	Space, defence, technology and discoveries
☐ Sports	Tournaments, winners, records, medals and players
☐ Appointments	Constitutional posts, government organisations and international bodies

GEOGRAPHY

Basic Geography

☐ Topic	Details / Coverage
☐ Earth	Shape, size, structure and movements
☐ Latitude & Longitude	Equator, Tropics, Polar Circles, Prime Meridian and time zones
☐ Earth Movements	Rotation and revolution
☐ Maps	Scale, direction, symbols and map reading
☐ Continents	Asia, Africa, Europe, North America, South America, Australia and Antarctica
☐ Oceans	Pacific, Atlantic, Indian, Southern and Arctic Oceans

Physical Geography of India

☐ Topic	Details / Coverage
☐ Physiographic Divisions	Himalayas, Northern Plains, Peninsular Plateau, Coastal Plains and Islands
☐ Mountains	Himalayas, Aravalli, Vindhya, Satpura, Western and Eastern Ghats
☐ Rivers	Himalayan and Peninsular rivers
☐ Lakes	Natural and artificial lakes
☐ Climate	Monsoon, seasons, rainfall and climatic regions
☐ Soils	Alluvial, black, red, laterite, desert and mountain soils
☐ Agriculture	Crops, cropping patterns, irrigation and agricultural regions
☐ Minerals	Coal, iron ore, manganese, bauxite, mica and petroleum
☐ Energy	Coal, petroleum, natural gas, hydropower, solar and wind energy

Map-Based Geography

☐ Topic	Details / Coverage
☐ States & Capitals	All Indian states and capitals
☐ Neighbouring Countries	Land and maritime neighbours
☐ Rivers	Important rivers and tributaries
☐ Mountains	Major ranges and highest peaks
☐ National Parks	Important parks and their states
☐ Dams	Major dams and rivers
☐ Ports	Major ports and locations
☐ Minerals	Major mineral-producing states
☐ Islands	Andaman & Nicobar and Lakshadweep
☐ Straits	Important Indian and world straits

World Geography

☐ Topic	Details / Coverage
☐ Continents	Location, countries and geographical features
☐ Oceans & Seas	Major oceans, seas and locations
☐ Mountains	Major ranges and highest peaks
☐ Rivers & Lakes	Major world rivers and important lakes
☐ Deserts	Sahara, Gobi, Kalahari, Atacama, Arabian and others
☐ Earthquakes	Causes, distribution and seismic zones
☐ Volcanoes	Types, causes and major regions
☐ Ring of Fire	Pacific Ring of Fire and associated countries
☐ Straits	Important straits and connecting water bodies
☐ Reefs	Coral reefs and major reef regions
☐ Waterfalls	Important waterfalls and locations
☐ Canals	Suez, Panama and other canals
☐ Islands	Important islands and island groups

☐ Topic	Details / Coverage
☐ Countries & Capitals	Important countries and capitals
☐ Tsunami	Causes, effects and tsunami-prone regions
☐ Minerals & Energy	Major producing regions and resources

MATHEMATICS

Basic Arithmetic

☐ Topic	Details / Coverage
☐ Number System	Natural, whole, integers, rational, irrational and real numbers
☐ Types of Numbers	Prime, composite, even, odd, co-prime and perfect numbers
☐ Roman Numbers	Conversion and basic operations
☐ Binary Numbers	Binary-decimal conversion and basic operations
☐ LCM & HCF	Prime factorisation, division method and word problems
☐ Decimal Fractions	Conversion, operations and recurring decimals
☐ Simplification	BODMAS, fractions, decimals and mixed operations
☐ Approximation	Rounding, estimation and approximate calculations
☐ Square & Cube Roots	Perfect squares/cubes and root calculation

Percentage & Commercial Mathematics

☐ Topic	Details / Coverage
☐ Percentage	Increase/decrease and successive percentage
☐ Average	Simple, weighted and combined average
☐ Profit & Loss	CP, SP, profit, loss, discount and marked price
☐ Simple Interest	Principal, rate, time and amount
☐ Compound Interest	Annual, half-yearly and quarterly compounding
☐ Ratio & Proportion	Basic ratio, continued ratio, direct and inverse proportion
☐ Partnership	Capital, time and profit-sharing

Algebra

☐ Topic	Details / Coverage
☐ Algebraic Expressions	Terms, coefficients and operations
☐ Linear Equations	One-variable and basic two-variable equations
☐ Quadratic Equations	Factorisation and roots
☐ Polynomial	Degree, terms, operations and factorisation
☐ Surds	Simplification, rationalisation and operations
☐ Indices	Laws of indices and fractional powers
☐ Remainder Theory	Remainder problems and polynomial applications

Sequence & Series

☐ Topic	Details / Coverage
☐ Arithmetic Progression	First term, common difference, nth term and sum
☐ Geometric Progression	First term, common ratio, nth term and sum
☐ Series Problems	Missing terms and application-based questions

Time-Based Problems

☐ Topic	Details / Coverage
☐ Time & Work	Efficiency, combined work and wages
☐ Pipes & Cisterns	Filling, emptying and combined pipes
☐ Time, Speed & Distance	Basic speed-distance-time problems
☐ Problems on Trains	Crossing a person, platform and another train
☐ Boats & Streams	Upstream, downstream and still-water speed
☐ Problems on Age	Present, past and future age relationships

Mensuration & Geometry

☐ Topic	Details / Coverage
☐ 2D Mensuration	Square, rectangle, triangle, circle, parallelogram and trapezium

☐ Topic	Details / Coverage
☐ 3D Mensuration	Cube, cuboid, cylinder, cone and sphere
☐ Area	Common and composite figures
☐ Perimeter	Perimeter and application problems
☐ Volume	Common solid figures
☐ Surface Area	TSA and CSA

Trigonometry

☐ Topic	Details / Coverage
☐ Basic Trigonometry	Sin, cos, tan, cot, sec and cosec
☐ Trigonometric Ratios	Standard values and relationships
☐ Identities	Basic trigonometric identities
☐ Heights & Distances	Angle of elevation and depression
☐ Applications	Buildings, towers, trees and distances

Statistics, DI & Probability

☐ Topic	Details / Coverage
☐ Statistics	Mean, median and mode
☐ Data Interpretation	Tables, bar graphs, line graphs and mixed data
☐ Pie Chart	Reading, percentage and angle-based questions
☐ Probability	Basic probability, favourable and total outcomes
☐ Mixture & Alligation	Mixture ratio, average price and allegation rule

REASONING

Verbal Reasoning

☐ Topic	Details / Coverage
☐ Analogy	Number, letter, word and figure analogy
☐ Classification	Odd one out using numbers, letters and words
☐ Series	Number, alphabet and mixed series
☐ Coding-Decoding	Letter, number and symbol coding
☐ Blood Relation	Family relationships and problems
☐ Direction Sense	Directions, distance and position
☐ Ranking	Rank from left/right/top/bottom
☐ Alphabet Test	Letter positions and arrangement
☐ Mathematical Operations	Symbol replacement and operations
☐ Word Formation	Formation and arrangement of words

Logical Reasoning

☐ Topic	Details / Coverage
☐ Syllogism	Statements, conclusions and Venn diagrams
☐ Statement & Conclusion	Logical conclusions
☐ Statement & Assumption	Identifying assumptions
☐ Cause & Effect	Cause-effect relationships
☐ Assertion & Reason	Relationship between assertion and reason
☐ Decision Making	Situation-based logical decisions
☐ Data Sufficiency	Whether information is sufficient
☐ Venn Diagram	Classification and relationships

Arrangement & Puzzle

☐ Topic	Details / Coverage
☐ Seating Arrangement	Linear and circular arrangement
☐ Floor Puzzle	People/floors-based problems
☐ Box Arrangement	Box and position-based problems
☐ Order & Ranking	Position and comparison
☐ Scheduling	Day/date/time arrangements
☐ Logical Puzzles	Multiple-condition puzzles

Non-Verbal Reasoning

☐ Topic	Details / Coverage
☐ Figure Series	Pattern-based figures
☐ Figure Analogy	Relationship between figures
☐ Figure Classification	Odd figure identification
☐ Mirror Image	Mirror-based questions
☐ Water Image	Water reflection
☐ Paper Folding	Fold and unfold problems
☐ Paper Cutting	Cut-pattern questions
☐ Embedded Figures	Finding hidden figures
☐ Cube & Dice	Positions, opposite faces and cubes
☐ Counting Figures	Triangles, squares and other figures

ENGLISH

Grammar

☐ Topic	Details / Coverage
☐ Parts of Speech	Noun, pronoun, adjective, verb, adverb, preposition, conjunction and interjection
☐ Noun	Types, number, gender and usage
☐ Pronoun	Types and correct usage
☐ Adjective	Types, degrees and usage
☐ Verb	Main/helping verbs, forms and usage
☐ Tense	Present, past and future
☐ Subject-Verb Agreement	Rules and common errors
☐ Articles	A, An and The
☐ Prepositions	Common prepositions and usage
☐ Conjunction	Coordinating and subordinating conjunctions
☐ Adverbs	Types and placement
☐ Modals	Can, could, may, might, should, must etc.
☐ Voice	Active and passive voice
☐ Narration	Direct and indirect speech

Vocabulary

☐ Topic	Details / Coverage
☐ Synonyms	Common and exam-oriented synonyms
☐ Antonyms	Common opposite words
☐ One Word Substitution	Important expressions
☐ Idioms & Phrases	Frequently asked expressions
☐ Spelling	Commonly confused and misspelled words
☐ Homophones	Words with similar pronunciation
☐ Word Usage	Correct use of words in sentences

Sentence Correction

☐ Topic	Details / Coverage
☐ Error Detection	Grammatical and usage errors
☐ Sentence Improvement	Selecting the correct sentence
☐ Fill in the Blanks	Grammar and vocabulary-based blanks
☐ Cloze Test	Context-based vocabulary and grammar
☐ Sentence Rearrangement	Correct order of sentences
☐ Phrase Replacement	Replacing incorrect phrases

Reading & Comprehension

☐ Topic	Details / Coverage
☐ Reading Comprehension	Passage-based questions
☐ Main Idea	Identifying central theme
☐ Inference	Understanding implied meaning
☐ Vocabulary in Context	Meaning from passage
☐ Fact-Based Questions	Direct information from passage
☐ Title	Choosing suitable title

Writing & Practical English

☐ Topic	Details / Coverage
☐ Sentence Formation	Correct sentence structure
☐ Paragraph Arrangement	Logical sequence

☐ Topic	Details / Coverage
☐ Basic Writing	Simple grammar-based writing
☐ Punctuation	Comma, full stop, apostrophe and quotation marks
☐ Common Errors	Frequently repeated competitive-exam mistakes

ADRE 3.0 2027 – Suggested Study Order

☐ Phase	Study Focus
☐ Phase 1	Math: Number System, Simplification, LCM-HCF
☐ Phase 2	Reasoning: Analogy, Classification, Series, Coding
☐ Phase 3	English: Parts of Speech, Articles, Tense, Subject-Verb Agreement
☐ Phase 4	GK: Assam at a Glance, Districts, North-East
☐ Phase 5	Geography: Basic Geography, India Geography, Assam Geography
☐ Phase 6	Math: Percentage, Average, Ratio-Proportion, Profit-Loss
☐ Phase 7	Reasoning: Blood Relation, Direction, Ranking, Venn Diagram
☐ Phase 8	English: Voice, Narration, Preposition, Conjunction, Error Detection
☐ Phase 9	GK: Assam History, Ahom Kingdom, Moamoria Rebellion, Freedom Movement
☐ Phase 10	Geography: Rivers, Mountains, Climate, Soil, Agriculture, Resources
☐ Phase 11	Math: SI-CI, Time & Work, Pipes, Speed-Distance, Trains, Boats
☐ Phase 12	Reasoning: Syllogism, Statement, Data Sufficiency, Puzzles
☐ Phase 13	English: Vocabulary, Synonyms, Antonyms, Idioms, One-word Substitution
☐ Phase 14	GK: Culture, Literature, Festivals, Personalities, State Symbols
☐ Phase 15	Math: Algebra, Surds-Indices, AP-GP, Mensuration, Trigonometry
☐ Phase 16	Geography: World Geography, Maps, Straits, Canals, Islands, Volcanoes
☐ Phase 17	Reasoning: Seating Arrangement, Puzzles, Non-verbal Reasoning
☐ Phase 18	English: Comprehension, Cloze Test, Rearrangement, Sentence Improvement
☐ Phase 19	GK: Polity, Economy, Budget, Government Schemes
☐ Phase 20	Math: Statistics, DI, Pie Chart, Probability, Mixture-Alligation
☐ Phase 21	Current Affairs: Assam + North-East + India + International
☐ Phase 22	Full Revision: Subject-wise revision + previous-year questions
☐ Phase 23	Mock Tests: Full-length ADRE practice tests
☐ Phase 24	Final Revision: Short notes, formulas, Assam GK facts and current affairs

Preparation Priority: Assam GK + Current Affairs + Arithmetic Mathematics + Basic Reasoning + English Grammar + Indian/World Geography should form the core preparation. Verify the final pattern and syllabus against the official ADRE 3.0 2027 notification when released.