



Regional Institute of Technologists & Analysts

RITA ACME FOCUS PRIVATE LIMITED

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CLASS X SYLLABUS FOR THE YEAR OF 2026

SUBJECT	MATH	MARKS	TIME
MONTH 1	Quadrilaterals & Quadratic Equations, Ratio & Proportion	25	30 Mins
MONTH 2	Quadratic Equations, Basics of Trigonometry, and 3D Mensuration	25	30 Mins
MONTH 3	Polynomials & Factorization, Linear Equations in Two Variables, Matrices	25	30 Mins
MONTH 4	Pythagoras Theorem, Cuboid, Cylinder	25	30 Mins
MONTH 5	Simple Interest, Compound Interest, Partnership Business + Quadratic Equation, Ratio and Proportion, Surds + Variation, Theorems of the Circle, Similarity + Pythagoras Theorem, Cuboid, Cylinder	50	60 Mins
MONTH 6	Sphere, Cone, Trigonometric Amplitude & Ratio	25	45 Mins
MONTH 7	Height & Distance, Central Tendency (Mean, Median, Mode), GST, Banking, Share & Dividend	25	45 mins
MONTH 8	Linear Inequation, Matrices, AP & GP	25	45 Mins
MONTH 9	Reflection, Section Formula, Equation of a Straight Line, Probability, Triangle (Similarity)	25	45 Mins
MONTH 10	Sphere, Cone, Trigonometric Amplitude & Ratio + Height & Distance, Central Tendency (Mean, Median, Mode), GST, Banking, Share & Dividend + Linear Inequation, Matrices, AP & GP + Reflection, Section Formula, Equation of a Straight Line, Probability, Triangle (Similarity)	35	60 Mins
MONTH 11	M1 TO M10 (PART 1)	45	75 Mins
MONTH 12	M1 TO M10 (PART 2)	45	75 mins

SUBJECT	PHYSICS	MARKS	TIME
MONTH 1	Work, Energy, and Power	25	30 Mins
MONTH 2	Sources of Energy, Natural Resources	25	30 Mins
MONTH 3	Light	25	30 Mins
MONTH 4	Lenses	25	30 Mins
MONTH 5	Work and Power + Energy + Light + Lenses	50	60 Mins
MONTH 6	Sound	25	45 Mins
MONTH 7	Electricity	25	45 mins
MONTH 8	Magnetism	25	45 Mins
MONTH 9	Calorimetry	25	45 Mins
MONTH 10	Sound + Electricity + Magnetism + Calorimetry	35	60 Mins
MONTH 11	M1 TO M10 (PART 1)	45	75 Mins
MONTH 12	M1 TO M10 (PART 2)	45	75 mins

SUBJECT	CHEMISTRY	MARKS	TIME
MONTH 1	Organic Chemistry, Chemical Bonding	25	30 Mins
MONTH 2	Study of Compounds: Hydrogen Chloride	25	30 Mins
MONTH 3	Periodic Classification of Elements	25	30 Mins
MONTH 4	Acids, Bases, and Salts	25	30 Mins
MONTH 5	Periodic Properties + Chemical Bonding + Acids, Bases, and Salts + Analytical Chemistry	50	60 Mins
MONTH 6	Mole Concept and Stoichiometry	25	45 Mins
MONTH 7	Electrolysis	25	45 mins
MONTH 8	Metallurgy	25	45 Mins
MONTH 9	Study of Compounds and Organic Chemistry	25	45 Mins
MONTH 10	Mole Concept and Stoichiometry + Electrolysis + Metallurgy + Study of Compounds and Organic Chemistry	35	60 Mins
MONTH 11	M1 TO M10 (PART 1)	45	75 Mins
MONTH 12	M1 TO M10 (PART 2)	45	75 mins

SUBJECT	BIOLOGY	MARKS	TIME
MONTH 1	Control and Co-ordination in Living Organisms	25	30 Mins
MONTH 2	Nervous System and Human Sense Organs	25	30 Mins
MONTH 3	Control and Coordination, Life Processes / Structural Organisation	25	30 Mins
MONTH 4	Life Processes: Nutrition, Transportation in Plants & Animals	25	30 Mins
MONTH 5	Control and Co-ordination in Living Organisms + Nervous System and Human Sense Organs + Cell Structure, Chromosomes, DNA/RNA, Gene, Cell Cycle, Cell Division, and Plant Reproduction + Genetics and Inheritance	50	60 Mins
MONTH 6	Absorption of Water and Minerals by Roots	25	45 Mins
MONTH 7	Transport in Plants and Photosynthesis	25	45 mins
MONTH 8	Circulatory and Excretory Systems	25	45 Mins
MONTH 9	Evolution, Adaptation, Population, and Environment	25	45 Mins
MONTH 10	Absorption of Water and Minerals by Roots + Transport in Plants and Photosynthesis + Circulatory and Excretory Systems + Evolution, Adaptation, Population, and Environment	35	60 Mins
MONTH 11	M1 TO M10 (PART 1)	45	75 Mins
MONTH 12	M1 TO M10 (PART 2)	45	75 mins

SUBJECT	BENGALI	MARKS	TIME
MONTH 1	শব্দ গঠন, কারক-বিভক্তি, সাধু-চলিত	25	30 Mins
MONTH 2	ধ্বনি ও ধ্বনি পরিবর্তন	25	30 Mins
MONTH 3	উক্তি পরিবর্তন এবং বাগধারা	25	30 Mins
MONTH 4	উপসর্গ, অনুসর্গ এবং বিপরীত শব্দ, সমার্থক শব্দ	25	30 Mins
MONTH 5	শব্দ গঠন + কারক-বিভক্তি + সাধু-চলিত + উক্তি পরিবর্তন + বিপরীত শব্দ + উপসর্গ	50	60 Mins
MONTH 6	ধাতু ও প্রত্যয়, এক কথায় প্রকাশ	25	45 Mins
MONTH 7	অব্যয় ও ক্রিয়া, সমাস	25	45 mins
MONTH 8	বাংলা শব্দভাণ্ডার, বাক্য পরিবর্তন	25	45 Mins
MONTH 9	বিশেষ্য, বিশেষণ, সর্বনাম, সন্ধি, শব্দ ও পদ, বোধ পরীক্ষণ	25	45 Mins
MONTH 10	ধাতু ও প্রত্যয়, এক কথায় প্রকাশ + অব্যয় ও ক্রিয়া, সমাস + বাংলা শব্দভাণ্ডার, বাক্য পরিবর্তন + বিশেষ্য, বিশেষণ, সর্বনাম, সন্ধি, শব্দ ও পদ, বোধ পরীক্ষণ	35	60 Mins
MONTH 11	M1 TO M10 (PART 1)	45	75 Mins
MONTH 12	M1 TO M10 (PART 2)	45	75 mins

SUBJECT	ENGLISH	MARKS	TIME
MONTH 1	Synonyms and Antonyms, Nouns, Collective Nouns, Pronouns, Comprehension, Spelling, Odd-One-Out	25	30 Mins
MONTH 2	Vocabulary and Word Choice, Spelling, Sentence Completion and Nuance, Sentence Completion and Nuance, Reading Comprehension, Adjectives	25	30 Mins
MONTH 3	Phrasal Verbs, Idiomatic Phrases, Collective Nouns, Animal Cries, Active and Passive Voice, Spelling	25	30 Mins
MONTH 4	Phrasal Verbs, Vocabulary Contextual Usage, Synonyms, Antonyms, Word Meanings/Definitions, Proverbs	25	30 Mins
MONTH 5	Question Tags + Proverbs + Phrasal Verbs + Appropriate Words/Homophones + Prepositions and Appropriate Word Usage + Synonyms + Antonyms + Identification of Phrases + One-word Substitution + Sentence Completion/Vocabulary + Jumbled Sentences	50	60 Mins
MONTH 6	Adjective – Adverb – Idiomatic Use – Spoken and Written Expression – Correction – Comprehension	25	45 Mins
MONTH 7	Article and Preposition – Idioms – Figures of Speech – Spelling – Correction – Comprehension	25	45 mins
MONTH 8	Voice – Narration – Sentence Sequencing – Correction – Synonym and Antonym – Comprehension	25	45 Mins
MONTH 9	Degree – Adverb – Conjunction – English Equivalent of Bengali Proverbs – Homophones – Homonyms – Comprehension	25	45 Mins
MONTH 10	Adjective – Adverb – Idiomatic Use – Spoken and Written Expression – Correction + Article and Preposition – Idioms – Figures of Speech – Spelling – Correction + Voice – Narration – Sentence Sequencing – Correction – Synonym and Antonym + Degree – Adverb – Conjunction – English Equivalent of Bengali Proverbs – Homophones – Homonyms – Comprehension	35	60 Mins
MONTH 11	M1 TO M10 (PART 1)	45	75 Mins
MONTH 12	M1 TO M10 (PART 2)	45	75 mins

SUBJECT	HISTORY	MARKS	TIME
MONTH 1	Ideas of History, Reform, Resistance and Rebellion, Early Stages of Collective Actions	25	30 Mins
MONTH 2	Bengal Renaissance & Great Reformers	25	30 Mins
MONTH 3	Peasant Uprisings	25	30 Mins
MONTH 4	The Great Revolt of 1857 & Rise of Nationalism	25	30 Mins
MONTH 5	Hist and Environment + Bengal Renaissance & Great Reformers + Peasant Uprisings + The Great Revolt of 1857 & Rise of Nationalism	50	60 Mins
MONTH 6	Printing Press & Scientific Developments in Bengal	25	45 Mins
MONTH 7	Rise of Gandhiji & Early Mass Movements	25	45 mins
MONTH 8	Role of Peasants & Working Class in National Movement – I	25	45 Mins
MONTH 9	Role of Peasants & Working Class in National Movement – II	25	45 Mins
MONTH 10	Printing Press & Scientific Developments in Bengal + Rise of Gandhiji & Early Mass Movements + Role of Peasants & Working Class in National Movement – I + Role of Peasants & Working Class in National Movement – II	35	60 Mins
MONTH 11	M1 TO M10 (PART 1)	45	75 Mins
MONTH 12	M1 TO M10 (PART 2)	45	75 mins

SUBJECT	GEOGRAPHY	MARKS	TIME
MONTH 1	Geography of India	25	30 Mins
MONTH 2	Soil and Water Resources	25	30 Mins
MONTH 3	Climate of India, Natural Vegetation and Water Management	25	30 Mins
MONTH 4	Mineral and Energy Resources of India, Agriculture in India	25	30 Mins
MONTH 5	Geography of India + Natural Vegetation + Soil and Water Resources + Mineral and Energy Resources	50	60 Mins
MONTH 6	Agriculture in India	25	45 Mins
MONTH 7	Manufacturing Industries	25	45 mins
MONTH 8	Transport	25	45 Mins
MONTH 9	Waste Management and Topographical Maps	25	45 Mins
MONTH 10	Agriculture in India + Manufacturing Industries + Transport + Waste Management and Topographical Maps	35	60 Mins
MONTH 11	M1 TO M10 (PART 1)	45	75 Mins
MONTH 12	M1 TO M10 (PART 2)	45	75 mins

SUBJECT	GK - GI	MARKS	TIME
MONTH 1	Human Physiology & Endocrine System, Advanced Physics: Electricity & Circuit Mechanics, Cultural History & Indian Performing Arts, Mathematical & Matrix Progressions, Exponential Analogies, Reverse Alphabet Coding	25	30 Mins
MONTH 2	Fluid Mechanics & Physics Properties, Soil Chemistry & Agricultural Science, Instrumentation & Electrical Measurements, Classification / Odd One Out (Numerical & Alphabetical), Geometric & Spatial Classification	25	30 Mins
MONTH 3	Medieval & Modern Indian History, Acids, Bases, and Indicators	25	30 Mins
MONTH 4	Acids, Bases, & Salts, Modern Indian History & Political Associations, Famous Biographies & Nationalist Literature, Missing Number Puzzles, Classification / Verbal Reasoning	25	30 Mins
MONTH 5	World Politics – NATO, EU, ASEAN, Summits + Verbal – Seating Arrangement (intro), Decision Making, Advanced Analogies + Science in Life – Biotechnology, Robotics, Energy + Numerical – Mensuration Puzzles, Profit & Loss, PnC (intro)	50	60 Mins
MONTH 6	Indian Constitution – Fundamental Rights & Duties	25	45 Mins
MONTH 7	Non-Verbal – 3D Patterns, Figure Analogies	25	45 mins
MONTH 8	Current Affairs – Nobel Peace, Global Issues	25	45 Mins
MONTH 9	Analytical Reasoning – Complex Codes, Advanced Venn Logic	25	45 Mins
MONTH 10	Indian Constitution – Fundamental Rights & Duties + Non-Verbal – 3D Patterns, Figure Analogies + Current Affairs – Nobel Peace, Global Issues + Analytical Reasoning – Complex Codes, Advanced Venn Logic	35	60 Mins
MONTH 11	M1 TO M10 (PART 1)	45	75 Mins
MONTH 12	M1 TO M10 (PART 2)	45	75 mins

SUBJECT	COMPUTER	MARKS	TIME
MONTH 1	Computer Networking	25	30 Mins
MONTH 2	<u>Word Processing</u> - Styles, Themes, Images, Mail Merge, Links, Footnote and Endnote, Template, TOC <u>AI</u> - Class IX Revision	25	30 Mins
MONTH 3	<u>Spreadsheet</u> - Fundamental concepts, Scenarios, Goal Seek, Solver, Sort and Filter, Consolidate, Subtotal, Link Data and Spreadsheets, Share and Review a Spreadsheet, Macros <u>HTML</u> - Fundamental tags, Lists	25	30 Mins
MONTH 4	<u>Spreadsheet</u> - Fundamental concepts, Scenarios, Goal Seek, Solver, Sort and Filter, Consolidate, Subtotal, Link Data and Spreadsheets, Share and Review a Spreadsheet, Macros <u>HTML</u> - Fundamental tags, Lists, Images, Links, Forms, Tables <u>Cyber Ethics</u> - Intellectual Property Rights, Plagiarism and Digital Property Rights, E- commerce: Privacy, Fraud, Secure Data Transmission <u>AI</u> - Neural Networks and NLP applications	25	30 Mins
MONTH 5	Computer Networking, Word Processing, AI, Spreadsheet, HTML, Cyber Ethics	50	60 Mins
MONTH 6	<u>DBMS</u> - Concepts, Keys, Table, Form, Query, Report, SQL commands <u>QBASIC</u> - Strings, Array, Graphics	25	45 Mins
MONTH 7	<u>CSS</u> - purpose, inline, internal and external CSS, font (family, style, size), colour, background-colour, align, border-style, margin, height, width, outline, float <u>Python</u> - Class IX Revision	25	45 mins
MONTH 8	<u>Java</u> - Revision of Class IX, Methods, Constructors, Wrapper Classes, Arrays, String Class	25	45 Mins
MONTH 9	<u>AI</u> - Evaluating Models, Computer Vision, NLP	25	45 Mins
MONTH 10	DBMS, QBASIC, CSS, Python, Java, AI	35	60 Mins
MONTH 11	M1 TO M10 (Part 1)	45	75 Mins
MONTH 12	M1 TO M10 (Part 2)	45	75 mins