

TNPSC APTITUDE & REASONING

Custom Master Schedule (Strictly Syllabus Aligned)

Total: 80 Tests | 25 Questions Per Test | 2000 Total Questions

Syllabus Covered:

Unit I: Aptitude - Simplification, Percentage, HCF, LCM, Ratio and Proportion, Simple interest, Compound interest, Area, Volume, Time and Work.

Unit II: Reasoning - Logical reasoning, Puzzles, Dice, Visual reasoning, Alpha numeric reasoning, Number series.

Module 1: Simplification (10 Tests)

TEST NO.	CONCEPT AREA	FOCUS TOPICS & APPLICATION
Test 1	BODMAS Rule & Basics	Order of operations, bracket nesting, basic arithmetic sequences.
Test 2	Fractions & Decimals	Recurring decimals, fraction comparison, continuous fractions.
Test 3	Square & Cube Roots	Finding exact/approximate roots of perfect and imperfect numbers.
Test 4	Surds & Indices - Part 1	Laws of indices, base equalization, basic surd properties.
Test 5	Surds & Indices - Part 2	Comparison of surds (largest/smallest), rationalization.
Test 6	Algebraic Identities	Using $(a+b)^2$, a^3+b^3 , a^2-b^2 formats for fast calculations.
Test 7	Infinite Series	Nested square roots (addition, subtraction, multiplication).
Test 8	Approximation	Rounding off decimals and rapid estimation techniques.
Test 9	Word Problems on Numbers	Forming linear equations from text (sum of digits, inversions).
Test 10	TNPSC PYQ Simplification	Pattern decoding of past Group 2/4 simplification questions.

Module 2: Percentage (10 Tests)

TEST NO.	CONCEPT AREA	FOCUS TOPICS & APPLICATION
Test 11	Basics & Conversions	Converting fractions to percentage and vice versa.
Test 12	Successive Changes	Net percentage effect, compound growth/decline.
Test 13	Increase/Decrease Models	Absolute vs percentage change, A is what % of B models.
Test 14	Population & Depreciation	Projecting future population, calculating machinery depreciation.
Test 15	Election Problems	Valid/invalid votes, winning margins, multi-candidate setups.
Test 16	Examination Marks	Pass/fail criteria, maximum marks, intersecting failures.
Test 17	Income & Expenditure	Percentage distribution of salary, saving ratios.
Test 18	Price & Consumption	Constant expenditure rule (sugar/rice price fluctuations).
Test 19	Venn Diagram Applications	Two-set and three-set intersection percentage problems.
Test 20	Complex Applications	Word problems integrating successive changes and scenarios.

Module 3: HCF & LCM (8 Tests)

TEST NO.	CONCEPT AREA	FOCUS TOPICS & APPLICATION
Test 21	Prime Factorization & Divisibility	Standard rules, composite divisibility, extracting prime factors.
Test 22	HCF Basics	Prime factorization method, continuous division method.
Test 23	LCM Basics	Basic LCM, relationship between HCF, LCM and product of numbers.
Test 24	Fractions & Decimals	Formulas for finding HCF and LCM of fractions.
Test 25	Remainder Logic	Finding numbers leaving specific remainders in HCF/LCM.

TEST NO.	CONCEPT AREA	FOCUS TOPICS & APPLICATION
Test 26	Real-world Applications	Traffic lights, tolling bells, circular track meeting points.
Test 27	Polynomials	HCF and LCM of algebraic expressions.
Test 28	Advanced TNPSC HCF/LCM	High-difficulty problems integrating multiple HCF/LCM concepts.

Module 4: Ratio & Proportion (12 Tests)

TEST NO.	CONCEPT AREA	FOCUS TOPICS & APPLICATION
Test 29	Ratio Basics	Simplifying ratios, finding A:B:C:D from individual pairs.
Test 30	Proportions & Variances	Direct/inverse proportion, third, fourth, and mean proportional.
Test 31	Distributions & Coins	Dividing amounts, ratio of coin values vs number of coins.
Test 32	Problems on Ages - Basics	Present/past/future age relationships and linear equations.
Test 33	Problems on Ages - Adv.	Multi-person relations and dynamic ratio shifting.
Test 34	Mixture & Alligations I	Mixing quantities, finding average price, alligation rule.
Test 35	Mixture & Alligations II	Removing and replacing liquids, repeated dilution.
Test 36	Partnership - Basics	Profit distribution based on capital and time.
Test 37	Partnership - Advanced	Active vs sleeping partners, variable capital durations.
Test 38	Income/Expense Models	Cross-multiplication models for savings/income ratios.
Test 39	Geometric Ratios	Ratios applied to side lengths, perimeters, and angles.
Test 40	Mixed Practice	Comprehensive test on all ratio and proportion concepts.

Module 5: Time & Work (10 Tests)

TEST NO.	CONCEPT AREA	FOCUS TOPICS & APPLICATION
Test 41	LCM Method Basics	Finding total work, individual efficiency, combined time.
Test 42	Efficiency Relations	Converting efficiency percentages or ratios to time ratios.
Test 43	Leaving/Joining Midway	Calculating remaining work when someone drops out.
Test 44	Alternate Days	Cycle calculation and exact finishing day for sequential work.
Test 45	Chain Rule	$M1D1H1/W1 = M2D2H2/W2$ formula applications.
Test 46	Group Conversions	Men, Women, Boys equivalency and combined work.
Test 47	Wages Distribution	Distributing money based on exact work done/efficiency.
Test 48	Pipes & Cisterns - Basics	Inlet and outlet pipes, filling/emptying times.
Test 49	Leakages & Alternating	Bottom leakages, partial fillings, alternate pipe operations.
Test 50	Advanced Time & Work	Group 1 standard word problems integrating all concepts.

Module 6: Simple & Compound Interest (4 Tests)

TEST NO.	CONCEPT AREA	FOCUS TOPICS & APPLICATION
Test 51	Simple Interest (SI)	Formulas, sum doubling/tripling over time.
Test 52	Compound Interest (CI)	Tree method, half-yearly/quarterly compounding.
Test 53	SI & CI Differences	Difference formulas for 2 years and 3 years.
Test 54	Advanced Interest Logic	Fractional years, rate variations, and installments.

Module 7: Area & Volume (6 Tests)

TEST NO.	CONCEPT AREA	FOCUS TOPICS & APPLICATION
Test 55	2D Area: Squares & Rectangles	Perimeters, areas, inner/outer pathway area calculations.
Test 56	2D Area: Triangles & Polygons	Circles, semicircles, rhombus, parallelograms.
Test 57	3D Volume: Cubes & Cuboids	Total surface area, lateral surface area, volumes, diagonals.
Test 58	3D Volume: Curved Surfaces	Cylinders, cones, and related formulas.
Test 59	3D Volume: Spheres	Spheres, hemispheres, hollow models.
Test 60	Melting & Recasting	Volume equivalency when reshaping one 3D object to another.

Module 8: Reasoning - Series (4 Tests)

TEST NO.	CONCEPT AREA	FOCUS TOPICS & APPLICATION
Test 61	Number Series Basics	Missing terms, arithmetic and geometric progressions.
Test 62	Wrong Term Identification	Spotting the anomaly in complex mathematical series.
Test 63	Alpha Numeric Reasoning	Letter sequences, alphanumeric alternating patterns.
Test 64	Mixed Series Mocks	TNPSC standard series questions combining logic and math.

Module 9: Logical & Visual Reasoning (5 Tests)

TEST NO.	CONCEPT AREA	FOCUS TOPICS & APPLICATION
Test 65	Logical Reasoning	Direction sense, shadow logic, left/right turning.
Test 66	Blood Relations	Family tree mapping, coded relations.
Test 67	Visual Reasoning I	Mirror images, water images, shape rotation.
Test 68	Visual Reasoning II	Paper folding, cutting, embedded figures.
Test 69	Deductive Logic	Syllogisms and logical deduction puzzles.

Module 10: Puzzles & Dice (3 Tests)

TEST NO.	CONCEPT AREA	FOCUS TOPICS & APPLICATION
Test 70	Dice Logic	Identifying opposite faces, folded and unfolded boxes.
Test 71	Seating Arrangements	Linear and circular seating logic puzzles.
Test 72	Ranking & Floor Puzzles	Order and ranking, vertical floor arrangement puzzles.

Module 11: Comprehensive Mocks (8 Tests)

TEST NO.	CONCEPT AREA	FOCUS TOPICS & APPLICATION
Test 73	Sectional Mock: Aptitude	25 Questions mixing Percentages, Ratios, Time/ Work.
Test 74	Sectional Mock: Adv. Math	25 Questions mixing SI/CI, Area/Volume, HCF/ LCM.
Test 75	Sectional Mock: Reasoning	25 Questions on Non-verbal, Series, Logical Reasoning, Dice.
Test 76	Simulator: Group IV Level	25 Questions mapped to Group 4 standards and difficulty.
Test 77	Simulator: Group II/IIA Level	25 Questions mapped to Group 2/2A standards and difficulty.
Test 78	Simulator: Group I Level	25 Questions mapped to Group 1 standards and difficulty.
Test 79	Mega Mock Simulator 1	Full 25-Question exam covering the complete Unit I & II syllabus.
Test 80	Grand Final Mega Mock	Ultimate 25-Question benchmark test.

"Success in TNPSC Begins with Focused, Syllabus-Aligned Practice."