



# APTITUDE TEST SERIES

MASTER APTITUDE. MAXIMIZE YOUR TNPSC SCORE.

80 Tests | 2,000 Questions | Complete TNPSC Coverage

Number System (10) • Percentage (10) • Ratio (10) • Time & Work (10) • Profit & Loss (10) • Simplification (10) • Mixed (20)

## 1 2 3 4 Number System & Progressions (10 Tests)

Test No.	Syllabus / Concept Area	Key Focusing Areas & Application
Test 1	<b>Number System: Number System Basics</b>	Classification of numbers, face/place value, types of numbers (rational, irrational).
Test 2	<b>Number System: Divisibility Rules</b>	Standard rules from 2 to 11, composite divisibility (72, 88, 99), and missing digits.
Test 3	<b>Number System: Prime Factorization &amp; Unit Digit</b>	Finding number of prime factors, power cycles, and calculating the unit digit.
Test 4	<b>Number System: Remainder Theorem</b>	Fermat's little theorem, binomial remainders, and successive division.
Test 5	<b>Number System: Highest Common Factor (HCF)</b>	Prime factorization method, division method, and HCF of fractions/decimals.
Test 6	<b>Number System: Least Common Multiple (LCM)</b>	Basic LCM, LCM of fractions/decimals, and polynomial HCF/LCM.
Test 7	<b>Number System: Applications of HCF &amp; LCM</b>	Traffic lights, tolling bells, circular track meeting points, and largest/smallest size problems.
Test 8	<b>Number System: Arithmetic Progression (AP)</b>	Finding nth term, sum of n terms, and arithmetic mean.
Test 9	<b>Number System: Geometric Progression (GP)</b>	Finding nth term, sum of n terms, and sum of infinite GP.

Test No.	Syllabus / Concept Area	Key Focusing Areas & Application
Test 10	Number System: Special Series & Sequences	Sum of first n natural numbers, sum of squares, and sum of cubes.

## Percentage (10 Tests)

Test No.	Syllabus / Concept Area	Key Focusing Areas & Application
Test 11	Percentage: Basics & Fraction Conversions	Basic percentage calculation, converting fractions to % and vice versa.
Test 12	Percentage: Percentage Increase/Decrease	Finding absolute vs percentage change, A is what % of B models.
Test 13	Percentage: Successive Percentage Changes	Net percentage effect ( $x + y + xy/100$ ), compound growth applications.
Test 14	Percentage: Population & Depreciation	Population after n years, population n years ago, machine depreciation.
Test 15	Percentage: Election Based Problems	Valid/invalid votes, winning margins, and multi-candidate scenarios.
Test 16	Percentage: Examination Marks	Pass/fail criteria, maximum marks, and intersecting subject failures.
Test 17	Percentage: Income, Expenditure & Savings	Percentage distribution of salary, remaining balances, and savings ratio.
Test 18	Percentage: Price, Consumption & Expenditure	Constant expenditure rule, sugar/rice price fluctuation models.
Test 19	Percentage: Venn Diagram Applications	Two-set and three-set intersection problems using percentage values.
Test 20	Percentage: High-Level TNPSC Standard Problems	Complex word problems integrating ratios and successive percentages.

## Ratio & Proportion (10 Tests)

Test No.	Syllabus / Concept Area	Key Focusing Areas & Application
Test 21	Ratio & Proportion: Ratio Basics & Combining Ratios	Simplifying ratios, finding A:B:C:D from given individual ratios.
Test 22	Ratio & Proportion: Proportion & Variances	Direct/inverse proportion, finding third, fourth, and mean proportional.

Test No.	Syllabus / Concept Area	Key Focusing Areas & Application
Test 23	Ratio & Proportion: Distribution & Coin Problems	Dividing amounts among A, B, C; ratio of values vs ratio of coins.
Test 24	Ratio & Proportion: Problems on Ages - Basics	Present/past/future age relationships, establishing linear equations.
Test 25	Ratio & Proportion: Problems on Ages - Advanced	Multi-person age relations, ratios shifting over time.
Test 26	Ratio & Proportion: Mixture & Alligations - Basics	Mixing two quantities, finding average price, alligation rule.
Test 27	Ratio & Proportion: Mixture & Alligations - Replacement	Removing and replacing liquids, repeated dilution formulas.
Test 28	Ratio & Proportion: Partnership - Basics	Profit distribution based on capital investment and time duration.
Test 29	Ratio & Proportion: Partnership - Variable Investments	Active vs sleeping partners, adding/withdrawing capital midway.
Test 30	Ratio & Proportion: Applied Ratio Problems	Income/Expenditure/Savings ratio cross-multiplication models.

### Time & Work (10 Tests)

Test No.	Syllabus / Concept Area	Key Focusing Areas & Application
Test 31	Time & Work: Basics & LCM Method	Finding total work, individual efficiency, and combined working time.
Test 32	Time & Work: Efficiency Based Problems	A is twice as fast as B, converting efficiency ratio to time ratio.
Test 33	Time & Work: Leaving or Joining Midway	Calculating remaining work when someone drops out after x days.
Test 34	Time & Work: Alternate Days Concept	A and B working on alternate days, cycle calculation, and exact finishing day.
Test 35	Time & Work: Chain Rule ( $M_1D_1H_1/W_1 = M_2D_2H_2/W_2$ )	Men, days, hours, work equivalency, and food provisioning models.
Test 36	Time & Work: Men, Women, Boys Models	Converting groups (e.g., 2 men = 3 women) to find combined work time.
Test 37	Time & Work: Wages Distribution	Distributing money based on efficiency/work done, not just time spent.

Test No.	Syllabus / Concept Area	Key Focusing Areas & Application
Test 38	Time & Work: Pipes & Cisterns - Basics	Inlet and outlet pipes, filling/emptying times, and net efficiency.
Test 39	Time & Work: Pipes & Cisterns - Leakage & Alternating	Bottom leakages, alternating pipe operations, and partial fillings.
Test 40	Time & Work: Advanced Time & Work	Complex TNPSC Group 1 standard word problems integrating efficiency and wages.

## Profit & Loss (10 Tests)

Test No.	Syllabus / Concept Area	Key Focusing Areas & Application
Test 41	Profit & Loss: Basics: CP, SP, Profit & Loss %	Fundamental formulas, calculating profit/loss on cost price vs selling price.
Test 42	Profit & Loss: Finding CP/SP from P/L%	Reverse calculations, multi-step transactions (A sells to B, B sells to C).
Test 43	Profit & Loss: Marked Price & Discount Basics	Relationship between CP, MP, SP, and Discount %.
Test 44	Profit & Loss: Successive Discounts	Equivalent single discount for multiple successive discounts.
Test 45	Profit & Loss: Buy X Get Y Free Models	Calculating actual discount percentage in promotional offers.
Test 46	Profit & Loss: Dishonest Dealer	Using faulty weights, false claims of selling at CP, net profit margin.
Test 47	Profit & Loss: Selling Two Articles	Same SP models ( $\text{net loss} = \frac{x^2}{100}$ ), overall profit/loss on identical items.
Test 48	Profit & Loss: Part of Goods Sold	Selling 1/3rd at profit, rest at loss to achieve targeted overall profit.
Test 49	Profit & Loss: Price & Quantity Variations	Buying x items for Rs. y, selling a items for Rs. b models.
Test 50	Profit & Loss: Mixed Advanced Problems	Integrating profit/loss with percentage and ratio techniques.

## Simplification (10 Tests)

Test No.	Syllabus / Concept Area	Key Focusing Areas & Application
Test 51	<b>Simplification: BODMAS Rule</b>	Order of operations, bracket nesting (vinculum to square brackets).
Test 52	<b>Simplification: Algebraic Identities</b>	Using $(a+b)^2$ , $a^3+b^3$ , and $a^2-b^2$ formats to bypass complex calculations.
Test 53	<b>Simplification: Fractions &amp; Decimals</b>	Recurring decimals, fraction comparison, and continuous fractions.
Test 54	<b>Simplification: Square Roots &amp; Cube Roots</b>	Finding roots of perfect and imperfect numbers, decimal roots.
Test 55	<b>Simplification: Surds &amp; Indices - Basics</b>	Laws of indices, base equalization, and basic surd properties.
Test 56	<b>Simplification: Surds &amp; Indices - Advanced</b>	Comparison of surds (largest/smallest), rationalization of denominators.
Test 57	<b>Simplification: Infinite Series</b>	Nested square roots (addition, subtraction, multiplication to infinity).
Test 58	<b>Simplification: Approximation</b>	Rounding off decimals and complex calculations for quick estimations.
Test 59	<b>Simplification: Word Problems on Numbers</b>	Forming linear equations from text (sum of digits, fraction reversing).
Test 60	<b>Simplification: TNPSC Previous Year Simplification</b>	Pattern decoding of typical TNPSC Group 2/4 simplification traps.

## Mixed Practice & Complete TNPSC Syllabus (20 Tests)

Test No.	Syllabus / Concept Area	Key Focusing Areas & Application
Test 61	<b>Mixed Practice: Simple Interest (SI)</b>	Basics, formulas, sum doubling/tripling in x years models.
Test 62	<b>Mixed Practice: Compound Interest (CI)</b>	Basics, tree method, fractional years, half-yearly/quarterly compounding.
Test 63	<b>Mixed Practice: SI &amp; CI Differences</b>	Difference for 2 years and 3 years, CI installments.
Test 64	<b>Mixed Practice: Mensuration 2D: Area &amp; Perimeter</b>	Squares, rectangles, circles, semicircles, and pathway areas.
Test 65	<b>Mixed Practice: Mensuration 2D: Polygons &amp; Triangles</b>	Equilateral, isosceles, right-angled triangles, rhombus, parallelogram.

Test No.	Syllabus / Concept Area	Key Focusing Areas & Application
Test 66	<b>Mixed Practice: Mensuration 3D: Volume &amp; Surface Area</b>	Cubes, cuboids, melting and recasting dimensions.
Test 67	<b>Mixed Practice: Mensuration 3D: Curved Surfaces</b>	Cylinders, cones, spheres, hemispheres, and frustums.
Test 68	<b>Mixed Practice: Logical Reasoning I: Series</b>	Alphanumeric series, number series logic, and finding the wrong term.
Test 69	<b>Mixed Practice: Logical Reasoning II: Coding &amp; Blood Relations</b>	Letter shifting, symbol coding, and family tree mapping.
Test 70	<b>Mixed Practice: Logical Reasoning III: Puzzles &amp; Direction</b>	Direction sense, shadow logic, ranking, and seating arrangements.
Test 71	<b>Mixed Practice: Visual Reasoning &amp; Dice</b>	Opposite faces of dice, folded/unfolded boxes, mirror/water images.
Test 72	<b>Mixed Practice: Statistics &amp; Probability</b>	Mean, median, mode, range, coin tosses, dice rolls, and card draws.
Test 73	<b>Mixed Practice: Sectional Mock: Arithmetic Complete</b>	50 Questions mixing Percentages, Ratios, Profit/Loss, Time/Work.
Test 74	<b>Mixed Practice: Sectional Mock: Advanced Math &amp; Mensuration</b>	50 Questions mixing SI/CI, Mensuration 2D/3D, Number System.
Test 75	<b>Mixed Practice: Sectional Mock: Logical &amp; Visual Reasoning</b>	50 Questions strictly on Non-verbal reasoning, series, and logic.
Test 76	<b>Mixed Practice: TNPSC Simulator: Group IV Level</b>	25 Questions exact TNPSC Group 4 standard and difficulty distribution.
Test 77	<b>Mixed Practice: TNPSC Simulator: Group II/IIA Level</b>	25 Questions exact TNPSC Group 2/2A standard and difficulty distribution.
Test 78	<b>Mixed Practice: TNPSC Simulator: Group I Level</b>	25 Questions exact TNPSC Group 1 standard and difficulty distribution.
Test 79	<b>Mixed Practice: Mega Mock Simulator 1</b>	Comprehensive 50-Question exam checking complete speed, accuracy, and elimination.
Test 80	<b>Mixed Practice: Grand Final Mega Mock</b>	Ultimate 50-Question benchmark test covering the entire TNPSC Aptitude & Mental Ability syllabus.

*"Success in TNPSC Begins with Strong Aptitude Skills."*

Practice • Improve • Succeed