

Tata Consultancy Services

TCS National Qualifier Test Exam Pattern

Test Section	Duration (in minutes)	No of Questions
Verbal Ability	30	24
Reasoning Ability	50	30
Numerical Ability	40	26
Programming Logic	15	10
Coding	45	2
Total	180	92

TCS National Qualifier Test Syllabus

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Numerical Ability

- Blood Relations
- Algebra, Averages
- Functions
- Series & Progression
- Equations
- Geometry
- Clocks & Calendar
- Number system
- Mixtures & Allegations
- Time & Work, Percentages
- Permutation and Combination
- HCF & LCM
- Time, Speed & Distance
- Profit & Loss

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Reasoning Ability

- Number Series – Missing Number Single, Missing Number Analogy
- Data Sufficiency – Rank Based Logic, Ages
- Meaningful Word Creation
- Blood Relations
- Seating Arrangement (Easy)
- Seating Arrangement (Complex)
- Coding-Decoding
- Ages
- Odd Man Out – Numbers, Logical
- Distance and Directions
- Statement and Conclusion
- Analogy
- Mathematical Operational Arrangement
- Symbols and Notations

Programming Logic

- Algorithms: Basic search algorithms and basic sort algorithms. (tree traversal, dynamic programming, etc)
- Data Structures: Array, Stack, Queue, List (tree, hash table, etc)
- Programming Concepts: Iteration, recursion, procedural vs OOP.
- C Language: Call by value/reference, basic and derived data types, storage classes, scope, and visibility, basics of pointers, basic header files, library functions, branching and looping, command-line arguments, user-defined functions.

Verbal Ability

- Para Jumbles
- Sentence completion
- Cloze passage
- Direct & Indirect speech
- Articles, prepositions

Coding

C/C++/Java/Perl/Python programming language