

# TCS



## TCS Test Pattern

PART A		Cognitive Skills
	Group Name	Time
1	Numerical Ability	40 Mins
2	Verbal Ability	30 mins
3	Reasoning Ability	50 mins
<b>Total</b>		<b>120 mins</b>
PART B		Programming
1	Programming Logic	15 mins
2	Hands-on Coding	45 mins
<b>Total</b>		<b>60 mins</b>
<b>Total Test Duration</b>		<b>180 Mins</b>

## TCS Exam Syllabus

### Part A - Cognitive Skills

#### Numerical Ability

- Arrangements and Series
- P&C
- Number System, LCM & HCF
- Percentages
- Allegations and Mixtures
- Speed Time and Distance
- Geometry
- Probability
- Ratios, Proportion, and Averages
- Reasoning
- Work and Time
- Divisibility

# TCS



- Profit and Loss
- Ages
- Clocks & Calendar
- Series and Progressions
- Equations
- Averages
- Area, Shapes & Perimeter
- Numbers & Decimal Fractions

## **Verbal Ability**

- Synonyms
- Antonyms
- Prepositions
- Sentence Completion
- Active and Passive Voice
- Idioms and Phrases
- Spelling Test
- Spotting Errors
- Passage Completion
- Substitution
- Sentence Arrangement
- Transformation
- Sentence Improvement
- Para Completion
- Joining Sentences
- Error Correction (Underlined Part)
- Error Correction (Phrase in Bold)
- Fill in the blanks

## **Reasoning Ability**

- Meaningful Word Creation
- Number Series – Missing Number Single, Missing Number Analogy
- Data Sufficiency – Rank Based Logic, Ages
- Blood Relations
- Coding-Decoding
- Ages

- Odd Man Out – Numbers, Logical
- Distance and Directions
- Statement and Conclusion
- Seating Arrangement (Easy)
- Seating Arrangement (Complex)
- Analogy
- Mathematical Operational Arrangement
- Symbols and Notations

## **Part B - Programming**

### **Programming Logic**

- Data Types
- Input-Output (based on C)
- Functions and Scope
- Inbuilt Libraries (based on C)
- Variables and Registers
- Command Line Programming
- Pointers
- Call by value/ reference
- Encapsulation
- Virtual and Pure Virtual
- Constructor and Destructor
- Iteration
- Recursion
- Procedural Vs OOPs
- Classes and Objects
- Inheritance
- Abstraction
- Polymorphism
- Stacks
- Queues
- Linked Lists (Singly, Doubly, Circular)
- Trees
- Binary Search Trees
- Graphs (only basics)

# TCS



- Searching
- <https://www.freshersnow.com/it-companies-syllabus/>
- Sorting
- Hashing
- AVL Trees
- B Trees

## **Hands-on Coding**

- C++
- Java
- C
- Perl
- Python