



# Roadmap to



# TCS NQT Papers Pattern

		Section Name	Total Questions	Time Limit
Cognitive Skill	{	Numerical Ability	26 Questions	40 mins
		Verbal Ability	24 Questions	30 mins
		Reasoning Ability	30 Questions	50 mins
Programming Skill	{	Programming Logic	10 Questions	15 mins
		Hands on (Coding 1)	1 Question	15 mins
		Hands on (Coding 2)	1 Question	30 mins
		Total	92 Questions	180 mins

# Cognitive Skill [ **IMP Topics** ]

## Numerical Ability

- Number System, Simplification and HCF and LCM
- Data Interpretation
- Arithmetic
- Speed, Time and Distance
- Time and Work
- Profit and Loss
- Percentage
- Area and Mensuration
- Simple and Compound Interest
- Linear Equation
- Probability
- Mixture and Allegation
- Partnership

## Reasoning

- Selection Decision Table
- Data arrangement
- Identifying words and numeric patterns
- Blood Relation
- Venn Diagram
- Coding Decoding
- Syllogism
- Data Sufficiency

## Figural and Factual Analysis

- Cube Folding, Paper Cuts, and Folds
- Visual Reasoning

## Propositional Reasoning

- Statements and Assumption
- Statement and Conclusion
- Statement and Course of Action

# Cognitive Skill

## Verbal Ability

This section consist of 24 Question with a time limit of 30 minutes.

- Reading Comprehension
- Sentence Completion
- Synonyms and Antonyms
- Error Identification
- Sentence Correction
- English Grammer [ Article ,  
conjunctions , Preposition ]

### Aptitude :

- Aptitude Academy
- Wifi Study
- Talent Spring

### Verbal :

- Dear Sir
- Wifi Study

### Reasoning:

- Priyal ma'am Reasoning
- Wifi Study
- My Pathshala
- Reasoning By Piyush Varshney

# Programming Logic

In this section you will be provided with 10 Question in a time limit of 15 minutes

## Basics of C (4 – 5 Question)

- 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
- Iteration
- Recursion
- **YT** : - Jenny's Lectures, Code with Harry

## Data Structure (3 Question)

- Stacks
- Queues
- Linked Lists (Singly, Doubly, Circular)
- Trees
- Binary Search Trees
- Graphs (only basics)
- Searching
- Sorting
- Hashing

## Advanced-Data Structure (Only 1 Question)

- AVL Trees
- B Trees
- **YT** : Last Moment Tutions, Jenny's Lectures, Code with Harry

## OOPs (1 – 2 Question)

- Procedural Vs OOPs
- Classes and Objects
- Inheritance
- Abstraction
- Encapsulation
- Virtual and Pure Virtual
- Constructor and Destructor
- Polymorphism
- **YT** : Telusko , Navin Reddy

# Coding Facts

**You will be given 2 Questions with a time limit of 15 mins and 30 mins**

**Questions - 2**

**Time - 15 mins + 30 mins**

**Negative Marking - No**

You can expect Questions from the following concepts -

**Number Series Printing** - Example - 1, 2, 5, 4, 25, 16, 125, 64 .....

This series is a mixture of power of 2 and power of 5. You have to print it via code.

**Strings** - Example - Read a string and convert all the uppercases to \$ sign and all lower cases to & sign and print the output.

**Matrix** - Finding the Highest sum for a row in a given matrix

**Pythagoras Triplets**

**LCM of 3 numbers**

# Tips for Exam

1. Attempt what you know first
2. Ego pe Mat LO
3. 1–1.5 Minute Max per Question + Carry a watch
4. Shortcuts For Solving is a Must.
5. Practice Previous year Question Papers

