



mostly asked interview...



- **Programming:** You'll likely be asked to write code, potentially in C++, Java, or Python, depending on the role. 
- **Data Structures:** Expect questions about arrays, linked lists, stacks, and queues. 
- **Algorithms:** Sorting (bubble sort, insertion sort, merge sort, etc.), searching (linear search, binary search), and recursion are common. 
- **Object-Oriented Programming (OOP):** Concepts like inheritance, polymorphism, and encapsulation are important, especially if you're interviewing for a Java role. 
- **Database Concepts:** Basic knowledge of databases, including SQL, might be tested. 
- **Operating Systems:** Fundamental concepts of operating systems could be covered. 



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formula of sum of nat...



The formula for the sum of the first n natural numbers is

$$S_n = \frac{n(n + 1)}{2}, \text{ where } n \text{ is}$$

a natural number.

Sum of Natural Number Formula

$$S_n = \frac{n(n + 1)}{2}$$

Explanation

- The sum of the first n natural numbers is $1 + 2 + 3 + \dots + n$.
- This sequence is an arithmetic progression (A.P.).
- The formula for the sum of n terms in an A.P. is $S_n = \frac{n}{2} [2a + (n - 1)d]$.
- In the formula for the sum of natural numbers, a is the first term and d is the difference between two consecutive terms.

Sum of N Terms of an Arithmetic Progression...

Sum of Na
Formula –

What is the S
Numbers For



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- Data Structures- Linked list, Stack, Queue, Trees, and Graphs

5. Coding

Total questions - 2

Total Time- 15+30 mins

Syllabus:

- Arrays
- Matrix
- String
- Number Series
- Functions

Bonus- Numerical Aptitude, Reasoning Ability, and Verbal Ability practice from [India Bix](#). For Coding MCQs and hands-on coding practice from [geeksforgeeks](#) and [prepinsta](#).



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4. Programming Logic

Total Questions - 10

Total Time- 15 mins

Syllabus:

- Data Types
- Arrays
- String
- Looping statements
- Pointers
- Recursion
- Object Oriented Programming(OOPs)
- Data Structures- Linked list, Stack, Queue, Trees, and Graphs

5. Coding

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3. Verbal Ability

Total questions- 24

Total Time - 30 mins

Syllabus:

- Sentence Completion
- Words Completion
- Reading Comprehension
- Parajumbles
- Error Detection
- Sentence Building
- Arrangement
- Idioms and Phrases

4. Programming Logic



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2. Reasoning Ability

Total questions: 30

Total Time- 50 mins

Syllabus:

- Blood Relations
- Seating Arrangement
- Coding-Decoding
- Data Sufficiency
- Data Arrangements
- Distance and Directions
- Statement and Conclusion
- Data Interpretation
- Syllogism

3. Verbal Ability

Total questions- 24

Total Time - 30 mins



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TCS NQT Syllabus in Depth

- **Numerical Ability**

Total questions - 26

Total Time- 40 Mins

Syllabus:

- Clocks & Calendar
- Series and Progressions
- Equations
- Averages
- Area, Shapes & Perimeter
- Numbers & Decimal Fractions
- Number System, LCM & HCF
- Percentages
- Allegations and Mixtures
- Probability
- Ratios, Proportion, and Averages
- Reasoning
- Work and Time
- Geometry
- Divisibility
- Profit and Loss
- Ages
- Speed Distance and Time

2. Reasoning Ability

Total questions: 30



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Backlogs- 1 Active Backlog

Academic Gap- Maximum two years of Gap allowed.

Important Note

- No negative marking
- Previously answered questions cannot be revisited
- Questions cannot be skipped
- Rough paper and calculator will be available on the screen
- Each question needs to be solved within the given time

Exam pattern

Section

Questions

Durat



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Contents

- 1. About TCS NQT
- 2. Problem on Arrays
- 3. Problem on Numbers
- 4. Problem on Number System
- 5. Problem on Sorting
- 6. Problem on Strings

About TCS NQT

TCS NQT is an exam conducted by TCS(Tata Consultancy Services) to hire for the role of TCS Ninja and TCS Digital. All the interested students can find the detailed TCS NQT Syllabus and Exam pattern in this article. Nearly 1 million (10 Lakh+) candidates appears in the TCS NQT test every year.

[Check Detailed TCS NQT Syllabus 2022 Here](#)



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WebDesigner,Analyst and Cricket Fanatic :) · Upvoted by
Ashutosh Mukherjee, former DWBI Consultant at Tata
Consultancy Services (2010–2014) · 9y

The best person to answer this question is me.

I passed out from a tier-3 engineering college and trust me had no knowledge about any programming language.I got into Infosys and I wasnt drilled much into technical things.

If your aim is to get into companies like TCS,Infosys then dont worry. Grab a cup of coffee and relax. They dont test your coding skills and you can manage the technical round by some common technical questions.Moreover add some co-curricular activities and hobbies which you pursue to just drag the topic more to your favourable side. The stream or the discipline that you have studied furthur holds no importance as you would be involved in IT work in the end.

Basic Pre-Requisites:

Good Communication Skill

Basic Knowledge on atleast 2 languages eg.JAVA or C or C++

Confidence

I hope that should be all! All the best! :)

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Upvote · 70



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Former System Engineer (Digital Cadre) at Tata Consultancy Services (company) (2018–2022) • 3y

Let me share my story so that you have a better understanding of how to attempt sections in TCS Digital exams. I have cleared TCS Digital in 2019 two times(two times because there were compiler issues in the first exams so they took another after a month) and in both the exams have cleared the cutoffs and the fun part is in none of these exams I attempted Coding question. But you have to perform very well in other sections to get qualified.

So the conclusion is NO it is not necessary to solve coding questions in the TCS Digital exam so if you are not from a coding background and are planning to leave coding questions then you really need to work hard on other sections.

Hope this will help you!

Best wishes for your exam.

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TCS NQT 2025 Expected Result:

Exam Details	Time Taken
Written Exam to Interview	After the written exam TCS generally takes 20 days to 1 month to declare the result. (This may vary dependind upon wheather the hiring is On campus or Off campus)
Interview to Final Selection	Following the interview TCS generally takes 15-20 days to declare the final selection result.

TCS NQT 2025 Pattern Analysis

Q1. LCM of 18, 45, 408, 255.

$$\text{LCM}(18, 45, 408, 255) = 6120$$

Steps:

Prime factorization of the numbers:



*****TCS NQT 2025 Role wise Cut Off:**

Role	Cut off
Ninja	Only Foundation section cleared
Digital	Foundation + Advanced Aptitude+ 1 coding question
Prime	Foundation + Advanced Aptitude+ 2 coding question

TCS NQT 2025 Pattern Analysis

Note: These are approximate numbers.

The actual cut-off may vary slightly based on the batch.

TCS NQT 2025 Expected Result:

Exam Details	Time Taken
Written Exam to	After the written exam TCS generally takes 20 days to 1 month to declare the result. (This may vary)





TCS NQT 2025 Cut Off

Understanding the **cut-off criteria** is crucial to assess your readiness for the exam. The cut-off varies yearly based on factors such as the number of applicants



and difficulty level. However, this is the expected cut off for TCS NQT 2024 on April 2024:

Sections	Expected Cut Off
Numerical Ability	8-10 Q
Logical Reasoning	10-12 Q
Verbal Ability	10-15 Q
Advanced Quantitative + Reasoning Ability	6-7 Q
Advanced Coding	***

TCS NQT 2025 Pattern Analysis

***TCS NQT 2025 Role wise Cut Off:





TCS NQT 2025 Pattern Analysis

**Most of the TITA questions are asked in this section.

Section 5: Coding

Question Number	Difficulty Level	Time Allotted
1st Question	Easy	35 minutes
2nd Question	Medium	55 minutes

TCS NQT 2025 Pattern Analysis

- TCS has allocated specific time limits for each coding section within the 90-minute duration this time.
- In both the questions there were 7 test cases.

TCS NQT 2025 Cut Off

Understanding the **cut-off criteria** is crucial to assess your readiness for the exam. The cut-off varies yearly based on





Circular Seating
Arrangement (TITA)

1

TCS NQT 2025 Pattern Analysis

Section 4: Advanced Quantitative



Topic	Number of Questions
TITA Questions	5-6
Coding Decoding	2
Eligibility	2
Time Speed Distance	1
Profit & Loss	1
Data Interpretation	1
Syllogism	1
Venn Diagram	1
Quadratic Equation	1





Section 3: Logical Reasoning

Topic	Number of Questions
Syllogism	2-6
Seating Arrangement	2-4
Chinese Coding	1-3
Pair Identification (Vowel/Consonant Order)	2
Pattern Recognition (Images)	2
Coding/Decoding	2
Odd Man Out	2
Direction	2
Data Sufficiency	2
Blood Relation	1
Circular Seating Arrangement (TITA)	1





Section 2: Verbal Ability

Topic	Number of Questions
Reading Comprehension (2 Passages)	7-8
Synonyms	1
Grammar-based Questions	4-5
Error Correction	2-3
Meaning Replacement	2
Sentence Arrangement	2-3

TCS NQT 2025 Pattern Analysis

**Para jumbles will be TITA based.

Section 3: Logical Reasoning

Topic	Number of Questions





Time Speed Distance	1
SI & CI	1
Mean	1
Profit & Loss	1
Time and Work	1
Weights	1
Volume	1
Ratio Partnership	1
Mensuration	1
TITA Question	1

TCS NQT 2025 Pattern Analysis

The advertisement features a family of four (two adults and two children) sitting together and smiling. The background is a living room setting with a sofa and pillows. The logo for **iciciprulife.com** is at the top left, and a red circular button with a bell icon is at the bottom right.

iciciprulife.com

iProtect Smart

₹2 CRORE



TCS NQT 2025 Pattern Analysis: Topic wise Analysis

Section 1: Quantitative Aptitude

Topic	Number of Questions
Averages	2
Ages	2
Percentages	2
Speed and Distance	2
Statistics	2
Number System	1
Simplification	1
LCM	1
Time Speed Distance	1
SI & CI	1
Mean	1





TCS NQT 2025 Pattern Analysis: Exam Check-in Process

Step	Details
Check-in Time	7:30 AM (Arrived by 7:00 AM, waited 30 minutes)
Required Documents	Admit card
ID Proof Checks	Two ID checks
Floor Information	Floors clearly marked (e.g., 203-400 on Floor 1), assistance available
Validation Process	Face and thumbprint validation; provided lab and desk number
COVID Declaration Form	Must include a photo (can be pasted at home)
Login Assistance	Help available for login and password
Exam Start Time	9:10 AM

TCS NQT 2025 Pattern Analysis

If you're looking to streamline your preparation and avoid the hassle of juggling multiple resources, come join us for a

THREE ROUNDS OF INTERVIEW:-

- 1. TECHNICAL ROUND**
- 2. MANAGERIAL ROUND**
- 3. HR ROUND**



TCS Nqt Interview Process

- Written exams happen in centre and interview happens online.
- The interview duration is 20-30 mins, all the rounds happen in one go. TR->MR->HR
- Interview will be taken by 1 panel member



TCS Nqt Important topics

- Basic Data Structures: Arrays, Strings, Linked Lists, Stacks, Queues
- Advanced Data Structures: Trees, Graphs, Hashing
- Algorithms: Sorting (Bubble sort, Selection sort, Insertion sort, Merge sort, Quick sort), Searching (Linear search, Binary search), Dynamic Programming, Greedy Algorithms
- Pattern Printing
- Mathematical Problems: Number theory, Combinatorics, Probability
- Bit Manipulation
- Recursion and Backtracking
- Object-Oriented Programming Concepts (for Java/C++ roles)



TCS NQT Syllabus (Advanced Section)

- 1. HCF & LCM and Number System
- 2. Geometry
- 3. Ages
- 4. Allegations and Mixtures
- 5. Averages
- 6. Clocks and Calendars
- 7. Equations
- 8. Percentages
- 9. Permutations and Combinations
- 10. Probability
- 11. Profit and Loss
- 12. Ratios and Proportion
- 13. Series and Progressions

- 14. Time, Speed, and Distance
- 15. Time and Work
- 16. Mean, Median, Mode, Standard Deviation, and Variance
- 17. Data Interpretation
- 18. Graphical Data Interpretation
- 19. Pie Charts
- 20. Tabular Data Interpretation
- 21. Simple Arithmetic Operations

- 1. Words Identification
- 2. Meaningful Word Creation
- 3. Numerical Patterns
- 4. Letter Analogy
- 5. Ages
- 6. Blood Relations
- 7. Complex Seating Arrangements
- 8. Distance and Directions
- 9. Odd Man Out
- 10. Symbols and Notations
- 11. Cube and Paper Folding
- 12. Data Sufficiency
- 13. Decision Making
- 14. Syllogism
- 15. Prepositional Reasoning
- 16. Visual Reasoning



TCS NQT Syllabus (Foundation Section)

Numerical Ability Foundation Section:

- Statistics
- Percentage
- Time & Work
- Area & Mensuration
- Number System
- Linear Equations
- Data Interpretation
- HCF LCM
- Simple Interest
- Compound Interest
- Profit and Loss
- Speed, Distance, Time
- Ratio and Proportion
- Permutation and Combination
- Probability
- Partnership
- Mixtures

Reasoning Ability Foundation Section:

- Coding and Decoding
- Cuts and unfolds
- Attention to detail
- Unboxing a cube
- Analogies
- Blood Relation
- Data Arrangements
- Visual Reasoning
- Venn Diagrams
- Syllogisms
- Statement Assumption
- Statement Conclusion

Verbal Ability Foundation Section:

- Reading comprehension
- Sentence correction
- Sentence completion
- Error Identification
- Synonyms & Antonyms
- Sentence/Paragraph Re-arrangements
- Fill in the blanks
- (Prepositions/Articles Tenses/Conjunctions)

