**DXC COMPANY HIRING FLOW**

**DXC - Hiring Rounds**

* **Round 1: Online Round**
* **Round 2: Technical Interview**
* **Round 3: HR Interview**
* **Round 1: Online Round**

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| --- | --- | --- |
| **Section** | **No. of questions** | **Duration** |
| **English** | **12** | **15** |
| **Logical Reasoning** | **14** | **14** |
| **Quantitative Ability** | **16** | **16** |
| **Programming MCQs** | **12** | **15** |
| **Automata Fix** | **7** | **20** |
| **Essay Writing (WriteX)** | **1** | **20** |

**Note:**

1. The test flows in the exact same order as mentioned here.

2. Inter-sectional navigation not possible.

3. Question once answered cannot be reviewed/ revisited.

4. No negative marking

1. **Aptitude English:** Sentence Completion, Para-jumbles, Vocabulary, Idioms, Phrasal Verbs, Sentence Improvement, Grammar Logical Reasoning: Data Arrangements, Blood Relations, Direction Sense, Coding and Decoding, Odd Man Out, Series, Data Sufficiency, Data Interpretation,  Paragraph Formation, Sentence Completion, Reading Comprehensions,

Sentence Correction, Spotting Errors, Sentence Selection, Antonyms, Synonyms, Jumbled Sentences, Selecting Words, Sentence Improvement, Odd Words, Sentence Formation.

1. Quantitative Aptitude: Surds and Indices, Profit and Loss, Partnerships, Simple and Compound Interest, Simplification, Permutation and Combination, Equations, Numbers, HCF and LCM Topics Covered , Time And Work, Time, Speed, Distance, Averages, Ratios &amp; Proportions, Probability, Percentages, Permutations &amp; Combinations, Numbers, Percentage, Profit And Loss, Algebra, Geometry, Alligations And Mixtures, Simple Interest &amp; Compound Interest, Pipes And Cisterns, Clocks &amp; Calendars, Problems On Ages, Surds &amp; Indices, Data Sufficiency, Logarithms, Problems On Trains.
2. Reasoning and Logical Ability : Data Arrangements, Number Series, Statement And Conclusions, Coding And Decoding, Odd Man Out, Direction Sense, Blood Relationship, Seating Arrangements, Analogies, Data Sufficiency, Inferred Meaning, Logical Order, Mathematical Operations

**2. Programming** **MCQ’s** Pseudocode, Basic Data Structures, Fundamentals of Programming (Data Types, Operators, Arrays, Pattern Programming, Math Based, Functions, Pointers etc.), Object Oriented Programming

**3. Automata fix**

1. Choice of languages between C, C++ and Java

2. Questions of the types - Coding, Code Re-use, Debugging

3. Fundamentals of Programming and OOPS required

* **Round 2: Technical Interview**

In the technical interview, DXC Technology focuses on analyzing your application skills & knowledge of technology. Hence in this round, you can expect questions on the below-given topics:

Projects you have worked on: Make sure you know in and out of every project that is mentioned in your resume. Right from the logic to components used if any and also the flow/circuit diagram.

The subject of Interest: Before getting into technical questions, you will be asked about your favorite subjects/subjects of interest. All the questions in this interview will be focused on testing your knowledge in those subjects.

Other Important Topics: Operating System, Object-Oriented Programming, Basic Data Structures Latest Technologies:

You also need to be aware of trending technologies like AI, Cyber Security, etc. There is a chance that you might be asked about these topics.

 Array and Matrices

 1D array

 Array Rotations

 Arrangement and rearrangement of elements of array

 Properties of matrices

 Strassen’s algorithm for matrix multiplication

 Inverting matrices

 Transpose of the matrix

 Linked list

 Basic operations on linked list

 Circular linked list

 Doubly linked list

 Tree

 Binary Tree

 Binary Search tree

 n-ary Tree

 Heap

 Graph

 Basic graph concepts

 BFS

 DFS

 Undirected graph, directed graph

 Minimum Spanning tree

 Shortest path algorithm

 Topological sort

 Connectivity in the graph

 String processing and manipulation

 Basic string operations

 Pattern searching

 Stack/Queue

 Basic stack operations

 Basic queue operations

 Application of stack

 Application of queue

 Sorting and Searching

 linear and binary search

 various sorting concepts

 Dynamic Programming

 Overlapping Subproblems Property

 Optimal Substructure Property

 Longest Common Subsequence

 Longest Common Substring

 Optimal binary search trees

 Matrix-chain multiplication

 0 1 knapsack

 Greedy Algorithms

 activity-selection problem

 Huffman codes

 task-scheduling problem

 fractional knapsack

 Minimum Spanning Trees

 Kruskal

 Prim

 Shortest Paths Algorithms

 Bellman-Ford algorithm

 Single-source shortest paths in directed acyclic graphs

 Dijkstra’s algorithm

 Johnson’s algorithm

 String Matching

 The naive string-matching algorithm

 The Rabin-Karp algorithm

 Knuth-Morris-Pratt algorithm

 Manacher algorithm

 Divide and Conquer

 Sorting algorithms

 Binary Search

 Disjoint Sets

 Disjoint-set operations

 Disjoint-set forests

 Computational Geometry

 Line-segment properties

 Intersection of line segment

 Finding the convex hull

 Closest pair of points

* **Round 3: HR Interview**

The HR interview is just a formality. Students who have cleared the Technical interview will be called for this round. In this round, you just have to take care of your communication skills and present yourself well. Be prepared for common HR interview questions like:

1. Tell us about yourself.

2. What is your expectation with respect to the role?

3. What is your family background?

4. Are you willing to relocate?

5. Why DXC?