



**Dheeraj Kumar**

**(108720708461464319301\_21511016\_1)**

Assessment Date : 04-12-2024 12:20:33 (GMT+05:30)

Performance Level : **Moderate** 

**7.00**

Your Total  
Score

**10.00**

Assessment  
Score

**5.00**

Cut-Off marks  
(Pass Marks)

**70.00**

Your  
Percentage

**M**

Performance  
Category

This report helps you to achieve your targets as per below stated objectives:

Improve your conceptual understanding  
Address specific areas of improvement  
personalized to you

# Performance Categories

Based on the performance of the students, we have framed the following categories to place you in accordance with your performance

## Performance Category Definitions



### Excellent

Outstanding level of performance indicates that the candidate has done excellent work and mastered the concepts.



### High

High level of performance indicates that the candidate has done above average work and mastered almost all the concepts.



### Moderate

Acceptable level of performance indicates that the candidate has done average work and has mastered many of the concepts.



### Low

Needs improvement in performance indicates that the candidate has done and mastered very few or none of the concepts.

## Performance Criteria

PERFORMANCE CATEGORY	RANGE
Excellent	91% to 100% of Max Marks
High	81% to 90% of Max Marks
Moderate	61% to 80% of Max Marks
Low	Below 60% of Max Marks

## Performance Category based on student marks

SECTION (GROUP)	EXCELLENT	HIGH	MODERATE	LOW
DSA Introduction Part 2 Assessment (DSA)	9.10 and above	8.10 to 9.00	6.10 to 8.00	Below 6.00

SECTION (GROUP)	EXCELLENT	HIGH	MODERATE	LOW
Overall Score	9.10 and above	8.10 to 9.00	6.10 to 8.00	Below and equal to 6.00

### Where do you stand?

SECTION (GROUP)	SCORE	PERFORMANCE CATEGORY
DSA Introduction Part 2 Assessment (DSA)	7.00 / 10.00	M
Overall Score	7.00 / 10.00	M

## Recommendations and Suggestions

### 1. Based on your overall scores:

Your overall score falls in the **M** category. Please avoid misconceptions and try to increase the speed of solving.

### 2. Based on your section-wise performance:

You seem to be strong in **DSA Introduction Part 2 Assessment**. So it is suggested that you attempt **DSA Introduction Part 2 Assessment** section first

### 3. Some general suggestions to optimize your score:

The best performers plan and allocate equal time to each section.

## Overall Performance Analysis

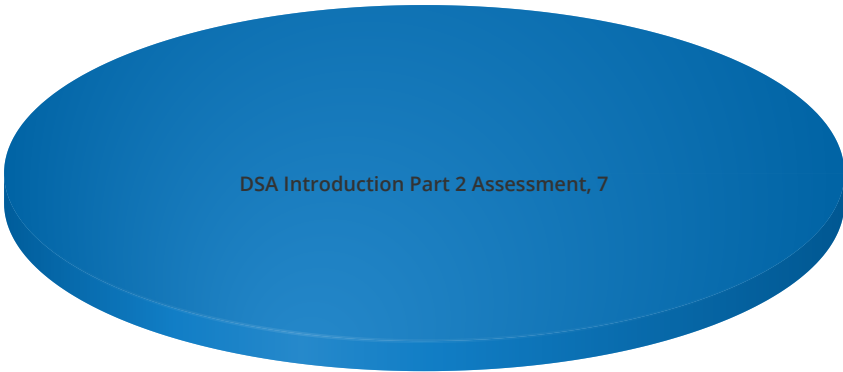
The below table shows section-wise analysis of marks scored by you, time spent by you, your percentage, your accuracy and number of correct, incorrect, unanswered and marked for review questions.


SECTION (GROUP)	MARKS SCORED BY YOU	TIME SPENT BY YOU (IN MINS)	YOUR SECTION PERCENTAGE	YOUR SECTION ACCURACY	TOTAL QUESTIONS	MAX NO OF QUESTIONS - TO ATTEMPT	QUESTIONS ATTEMPTED	CORRECT	INCORRECT	UNANSWERED	MARKED FOR REVIEW
DSA Introduction Part 2 Assessment (DSA)	7.00	16:27	70.00%	70.00%	10	10	10	7	3	0	0
<b>Total</b>	<b>7.00</b>	<b>16:27</b>	<b>70.00%</b>	<b>70.00%</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>7</b>	<b>3</b>	<b>0</b>	<b>0</b>

**Note:** The percentage (%) and accuracy below the prescribed values (60 %) are shown in red color

Below pie-chart shows section-wise percentage of marks scored

Section-wise marks



 DSA Introduction Part 2 Assessment

Impact of Incorrect Responses

Below table provides the marks lost due to incorrect responses.

SECTION(GROUP)	NUMBER OF INCORRECT RESPONSES	MARKS LOST DUE TO INCORRECT RESPONSES	TOTAL SCORE IF INCORRECT RESPONSES WERE NOT MARKED
DSA Introduction Part 2 Assessment(grp1)	3	0	7

SECTION(GROUP)	NUMBER OF INCORRECT RESPONSES	MARKS LOST DUE TO INCORRECT RESPONSES	TOTAL SCORE IF INCORRECT RESPONSES WERE NOT MARKED
Overall	3	0	7.00

In order to attempt more accurately, consider the following suggestions while attempting the questions:

1. If you are not able to solve a question correctly or have doubts in your approach towards the solution, skip it for later.
2. Quickly revise the steps for avoiding calculation or casual mistakes.
3. Avoid guesswork.

## Overall Preparedness Analysis

The below table represents the percentage of correct questions achieved at the analysis level.

Conceptual errors, for which you would require more reading and understanding of concepts.

Minor or careless mistakes, for which you would require a more composed and calm approach towards solving the question paper.

The topics marked in red need your immediate attention.

## Time Management

Below table shows the time you spent in each section.

SECTION (GROUP)	TIME SPENT BY YOU (IN MINS)
DSA Introduction Part 2 Assessment (DSA)	16:27
<b>Total time spent</b>	<b>16:27</b>

## Recommendations

1. It is essential for each aspirant to plan and schedule time for each section diligently. This is important to score well in each section and ultimately meet the cut-off.
2. This will also help you in attempting all the questions in each section and hence not missing the opportunity to score more.

## Response Change Pattern

Below table provides the number of times you have changed your responses while answering the test and also the nature of those response changes.

SECTION(GROUP)	CORRECT TO INCORRECT	INCORRECT TO CORRECT	INCORRECT TO INCORRECT	CORRECT TO UNANSWERED	INCORRECT TO UNANSWERED	UNANSWERD TO CORRECT	UNANSWERD TO INCORRECT
DSA Introduction Part 2 Assessment (DSA)	0	0	0	0	0	7	3
<b>Overall</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>3</b>

It is suggested that guesswork should be avoided for any type of response changes. It has been observed that more often than not, guesswork leads to an incorrect response thereby inviting negative marks which in turn has an adverse effect on the overall rank. You must use your knowledge, observation and elimination skills to arrive at the correct answer.

## Interpretation and Suggestions

1. Incorrect to incorrect response change:

You may need to work more on the concept level, in order to gain confidence.

2. Incorrect to correct response change:

At the first glance you were not very sure about the solution.

You must spend at least 1 minute per question and if you are not able to reach to the solution, you must revisit the question to enhance your score.

Perform this response change only when you are confident or have spotted a mistake in the solution of your first response.

3. Correct to incorrect response change:

You are not sure of the solution and have either applied a wrong concept or made a calculation mistake.

You need to practice more questions on the same concept.

4. Correct to unanswered response change:

You are not sure of the solution

You need to practice more questions on the same concept.

Perform this response change only when you are not confident of your solution.

You must try to spend at least 1 min before leaving it unanswered.

5. Incorrect to unanswered response change:

Your judgment of avoiding negative marks is right.

You must try to spend at least 1 min before leaving it unanswered.

## Overview: DSA Introduction Part 2 Assessment

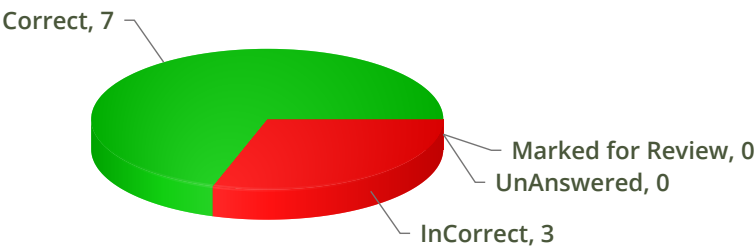


The below table provides your marks in DSA Introduction Part 2 Assessment along with the average marks scored by the others (students who cleared this assessment) and the marks scored by the topper.

MARKS SCORED BY YOU	YOUR SECTION PERCENTAGE	YOUR SECTION ACCURACY	TIME SPENT BY YOU (IN MINS)
7.00 / 10.00	70.00%	70.00%	16:27

*Note: The percentage (%) and accuracy below the prescribed values (60%) are shown in red color*

Question wise Analysis



# Performance Analysis: DSA Introduction Part 2 Assessment

1. The below table analyzes your performance at question level
2. It highlights conceptually strong and improvement areas within the section and areas that require reinforcement of concepts.
3. The accuracy of the response to each question and time spent are correlated and interpreted in terms of expert advice on preparedness level.

## Question wise details

Please click on question to view detailed analysis

🚩 = Not Evaluated

📌 = Evaluated

✅ = Correct

❌ = Incorrect

⚠️ = Not Attempted

★ = Marked for Review

📄 = Answered

✔️ = Correct Option

👉 = Your Option

### Question Details

✅ Q1. Which of the following is a linear data structure?

Status : Correct

Options :

1. Graph

2. Tree

👉 ✔️ 3. Array

4. None of these

Timespent (in sec): 17 | Correct to Incorrect: 0 | Incorrect to Correct: 0 | Incorrect to Incorrect: 0 | Correct to unanswered: 0 | Incorrect to unanswered: 0 |  
Unanswered to Correct: 1 | Unanswered to Incorrect: 0 | Comments: **You are on the right preparation track on this topic.**

✖ Q2. Which of the following is the advantage of the array data structure?

Status : **Incorrect**

Options :

- ✓ 1. Easier to access the elements in an array
- ✖ 2. Elements of mixed data types can be stored
- 3. Elements of an array cannot be sorted
- 4. Index of the first element starts from 1

Timespent (in sec): **134** | Correct to Incorrect: **0** | Incorrect to Correct: **0** | Incorrect to Incorrect: **0** | Correct to unanswered: **0** | Incorrect to unanswered: **0** |  
Unanswered to Correct: **0** | Unanswered to Incorrect: **1** |

Comments: **You have most probably committed a numerical or conceptual mistake or you would have guessed the answer.**

✓ Q3. What will be the output of the following code snippet?

```
void solve()
{
int a[] = {1, 2, 3, 4, 5};
int sum = 0;
for(int i = 0; i < 5; i++)
{
if(i % 2 == 0)
{
sum += a[i];
}
}
cout << sum << endl;
}
```

Status : **Correct**

Options :

- 👉 ✓ 1. 9
- 
2. 5
- 
3. 15
- 
4. 20
- 

Timespent (in sec): **432** | Correct to Incorrect: **0** | Incorrect to Correct: **0** | Incorrect to Incorrect: **0** | Correct to unanswered: **0** | Incorrect to unanswered: **0** |  
Unanswered to Correct: **1** | Unanswered to Incorrect: **0** | Comments: **You are on the right preparation track on this topic.**

✓ Q4. What will be the time complexity of following code?

```
int a = 0, i = N;  
while (i > 0)  
{  
    a += i;  
    i /= 2;  
}
```

Status : **Correct**

Options :

- 1.  $O(N)$
- 2.  $O(N/2)$
- ✓ 3.  $O(\log N)$
- 4.  $O(\text{Sqrt}(N))$

Timespent (in sec): **28** | Correct to Incorrect: **0** | Incorrect to Correct: **0** | Incorrect to Incorrect: **0** | Correct to unanswered: **0** | Incorrect to unanswered: **0** |  
Unanswered to Correct: **1** | Unanswered to Incorrect: **0** | Comments: **You are on the right preparation track on this topic.**

✗ Q5. Which data structure do we use for testing a palindrome?

Status : **Incorrect**

Options :

- 1. Queue
- ✓ 2. Graph
- ✗ 3. Stack
- 4. Array

Timespent (in sec): **82** | Correct to Incorrect: **0** | Incorrect to Correct: **0** | Incorrect to Incorrect: **0** | Correct to unanswered: **0** | Incorrect to unanswered: **0** |  
Unanswered to Correct: **0** | Unanswered to Incorrect: **1** |  
Comments: **You have most probably committed a numerical or conceptual mistake or you would have guessed the answer.**

✓ Q6. Which of the following case does not exist in complexity theory?

Status : **Correct**

Options :

- 1. Average case
- 2. Worst case
- 3. Best case
- ✓ 4. Null case

Timespent (in sec): 17 | Correct to Incorrect: 0 | Incorrect to Correct: 0 | Incorrect to Incorrect: 0 | Correct to unanswered: 0 | Incorrect to unanswered: 0 |  
Unanswered to Correct: 1 | Unanswered to Incorrect: 0 | Comments: **You are on the right preparation track on this topic.**

✓ Q7. How can we describe an array in the best possible way?

Status : **Correct**

Options :

- 1. Arrays are immutable.
- 2. Array shows a hierarchical structure.
- 3. Array is not a data structure
- ✓ 4. Container that stores the elements of similar types

Timespent (in sec): 33 | Correct to Incorrect: 0 | Incorrect to Correct: 0 | Incorrect to Incorrect: 0 | Correct to unanswered: 0 | Incorrect to unanswered: 0 |  
Unanswered to Correct: 1 | Unanswered to Incorrect: 0 | Comments: **You are on the right preparation track on this topic.**

✓ Q8. What does it mean when we say that an algorithm X is asymptotically more efficient than Y?

Status : Correct

Options :

- ✓ 1. X will always be a better choice for large inputs
- 2. X will always be a better choice for small inputs
- 3. X will always be a better choice for all inputs
- 4. Y will always be a better choice for small inputs

Timespent (in sec): 168 | Correct to Incorrect: 0 | Incorrect to Correct: 0 | Incorrect to Incorrect: 0 | Correct to unanswered: 0 | Incorrect to unanswered: 0 |  
Unanswered to Correct: 1 | Unanswered to Incorrect: 0 | Comments: You are on the right preparation track on this topic.

✓ Q9. What is the time complexity of the following code?

```
int a = 0;
for (i = 0; i < N; i++)
{
    for (j = N; j > i; j--)
    {
        a = a + i + j;
    }
}
```

Status : Correct

Options :

- 1.  $O(N * \text{Sqrt}(N))$
- 2.  $O(N)$
- ✓ 3.  $O(N*N)$

Timespent (in sec): 32 | Correct to Incorrect: 0 | Incorrect to Correct: 0 | Incorrect to Incorrect: 0 | Correct to unanswered: 0 | Incorrect to unanswered: 0 |  
Unanswered to Correct: 1 | Unanswered to Incorrect: 0 | Comments: You are on the right preparation track on this topic.

✖ Q10. What is the time complexity of following code?

```
int i, j, k = 0;
for (i = n / 2; i <= n; i++)
{
    for (j = 2; j <= n; j = j * 2)
    {
        k = k + n / 2;
    }
}
```

Status : **Incorrect**

Options :

- 1.  $O(n)$
- 2.  $O(n^2)$
- ✖ 3.  $O(n^2 \log n)$
- ✔ 4.  $O(N \log N)$

Timespent (in sec): 44 | Correct to Incorrect: 0 | Incorrect to Correct: 0 | Incorrect to Incorrect: 0 | Correct to unanswered: 0 | Incorrect to unanswered: 0 | Unanswered to Correct: 0 | Unanswered to Incorrect: 1 |

Comments: You have most probably committed a numerical or conceptual mistake or you would have guessed the answer.

## Your Response Change Pattern: DSA Introduction Part 2 Assessment

The below table provides the number of times you have changed your responses to the DSA Introduction Part 2 Assessment questions and also the nature of those response changes.



CORRECT TO INCORRECT	INCORRECT TO CORRECT	INCORRECT TO INCORRECT	CORRECT TO UNANSWERED	INCORRECT TO UNANSWERED	UNANSWERD TO CORRECT	UNANSWERD TO INCORRECT
0	0	0	0	0	7	3

## Error Identification and Rectification: DSA Introduction Part 2 Assessment

Q2. NA

Q5. NA

Q10. NA