Overall Summary

19.75 Marks Scored
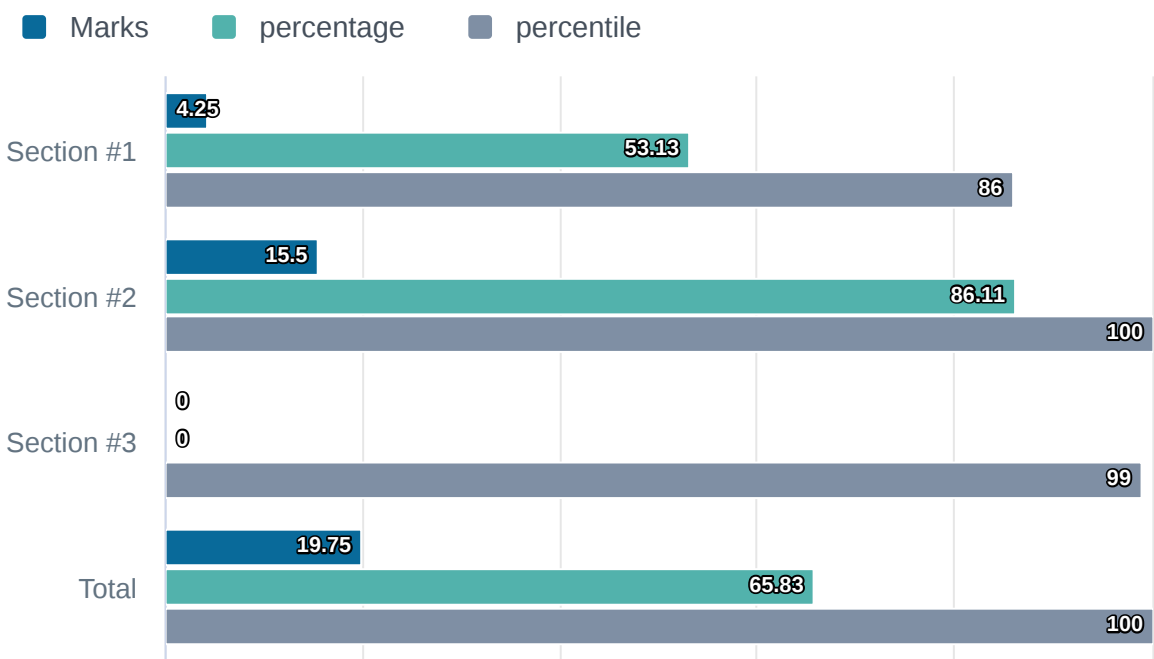out of 30

65.83 % 100 percentile
out of 181 Test Takers

30m Time taken
of 30mins

Marks Scored

Legend:
- ■ Marks
- ■ percentage
- ■ percentile

Section	Marks	percentage	percentile
Section #1	4.25	53.13	86
Section #2	15.5	86.11	100
Section #3	0	0	99
Total	19.75	65.83	100

Attempt Summary

Distribution of questions attempted in a total of 18 question(s).

18
Total Questions

This shows the correctness of questions attempted by the test taker

		Ques	Marks
■ Correct	13	Ques	21/21 Marks
■ Incorrect	5	Ques	-1.25/9 Marks
■ Partially Correct	0	Ques	0/0 Marks
■ Not Attempted	0	Ques	0/0 Marks

Section-Wise Details

Section 1 Section #1	question(s) 8 Q.	Time taken 17m 52s (Untimed)	Marks Scored 4.25 / 8

Marks Scored

■ Marks ■ percentage

CS F111 lab Quiz-2
- 4.25
- 53.13
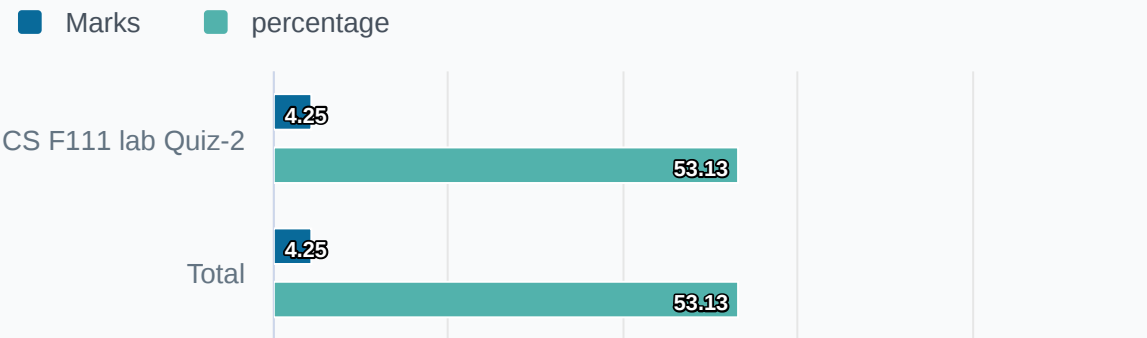
Total
- 4.25
- 53.13

Attempt Summary

Distribution of questions attempted in a total of 8 question(s).

8
Total Questions
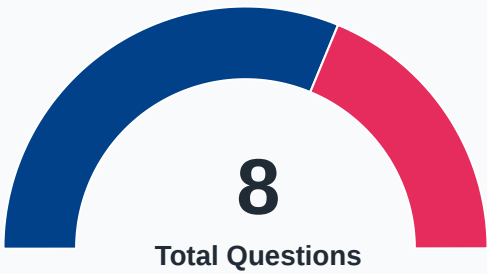
This shows the correctness of questions attempted
by the test taker

■ Correct	5 Ques	5/5 Marks
■ Incorrect	3 Ques	-0.75/3 Marks

Section-Wise Details

Section 2	question(s)	Time taken	Marks Scored
Section #2	9 Q.	9m 30s (Untimed)	15.5 / 18

Marks Scored

■ Marks   ■ percentage

CS F111 lab Quiz-2
- 15.5
- 86.11
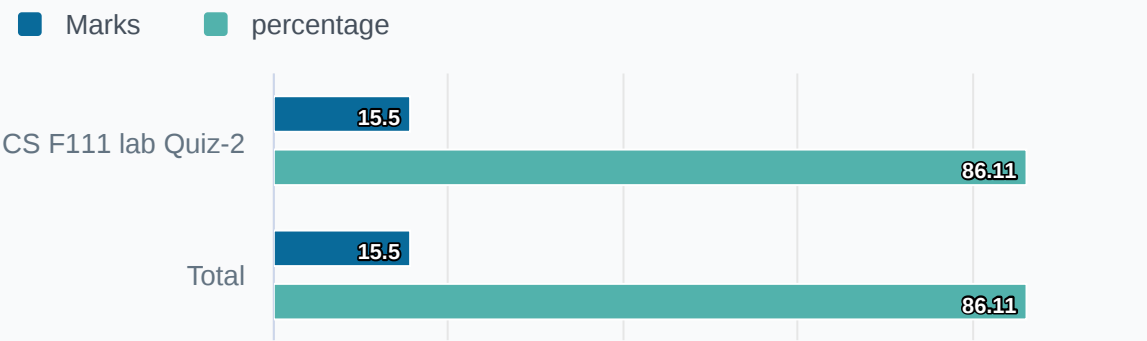
Total
- 15.5
- 86.11

Attempt Summary

Distribution of questions attempted in a total of 9 question(s).

9
Total Questions

This shows the correctness of questions attempted by the test taker

■ Correct	8 Ques	16/16 Marks
■ Incorrect	1 Ques	-0.5/2 Marks

Section-Wise Details

Section 3 Section #3		question(s) 1 Q.	Time taken 2m 37s (Untimed)	Marks Scored 0 / 4

Marks Scored

■ Marks   ■ percentage

CS F111 lab Quiz-2   0
                      0

Total   0
         0

Attempt Summary

Distribution of questions attempted in a total of 1 question(s).

1
Total Questions

This shows the correctness of questions attempted by the test taker
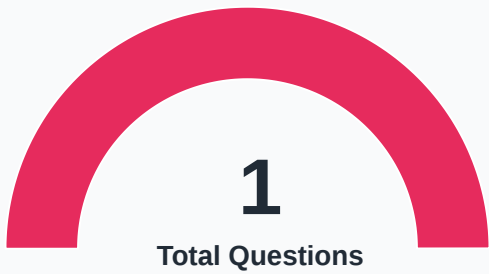
■ Incorrect	1 Ques	0/4 Marks

Section 1	8	17m 52s	4.25/8
Section #1	question(s)	Time taken	Marks Scored

Q. 1

▼ Question 1 | 🕐 Time taken: 51s | Marks Scored: 1/1

```
int i = 9;
 void *bits;
 bits = &i;
 printf("\nValue of iptr = %d ", *bits);
```

What will be the output of above code snippet?

Response:

OPTIONS	RESPONSE	ANSWER
Garbage value		
9		
Compile time error	✓	✓
None of these		
Garbage address		

Question 2

```c
int foo(int n, int* fp)
{
    int t, f;
    if (n <= 2) {
        *fp = 1;
        return 1;
    }
    t = foo(n - 1, fp);
    f = t + *fp;
    *fp = t;
    return f;
}
int main()
{
    int x = 15;
    printf("%d\n", foo(6, &x));
  return 0;
}
```

What will the above code snippet print?

Response:

OPTIONS	RESPONSE	ANSWER
15		
6		
8	✓	✓
None of these		
5		

Question 2

🕐 Time taken: 1m 33s | Marks Scored: 1/1

```
#define NULL "error";
int main()
{
 char *ptr = NULL;
 printf("%s",ptr);
```

What will be the output of above code snippet?

Response:

OPTIONS	RESPONSE	ANSWER
Compile time error		
NULL		
None of these		
Run time error		
error	✓	✓

```
#define NULL "error";
int main()
{
 char *ptr = NULL;
 printf("%s",ptr);
```

What will be the output ?

```c
#include <stdio.h>
#define R 10
#define C 20

int main()
{
    int (*p)[R][C];
    printf("%d",  sizeof(*p));
    return 0;
}
```

Response:

OPTIONS	RESPONSE	ANSWER
200		
800		✓
8	✓	
None of these		
64		

What is the problem with the following code?

```
#include<stdio.h>
int main()
{
    int *a = (int *)malloc(sizeof(int));
    a = NULL;
    free(a);
}
```

Response:

OPTIONS	RESPONSE	ANSWER
Memory Leak	✓	✓
Compiler Error: free can't be applied on NULL pointer		
None of these		
Dangling Pointer		
The program may crash as free() is called for NULL pointer.		

What will be the output of this code?

```c
#include <stdio.h>
#include <string.h>
int main()
{
char p[20];
char *s = "string";
int length = strlen(s);
for(int i = 0;i < length;i++)
p[i] = s[length - i];
printf("%s", p);
return 0;
}
```

Response:

OPTIONS	RESPONSE	ANSWER
No output is printed	✓	
gnirts		✓
None of these		
string		
gnirt		

Question 7

Time taken: 2m 58s

Marks Scored: -0.25/1

```c
int a[5] =
{1,11,111,1111,11111};
    int *ptr = (int*)(&a+1);
    printf("%d
%d",*(a+1),*(ptr-1));
    return 0;
```

What is the output of the above code snippet?

Response:

OPTIONS	RESPONSE	ANSWER
None of these		
1 1111		
Segmentation Fault		
11 1111		✅
11 11111	✔	

Question 8

Time taken: 1m 34s

Marks Scored: 1/1

```c
What will be the output of the following code snippet,
struct abc
    {
    int p, q, r;
    };
    struct abc num = {777,000,111};
    struct abc *ptr = & num;
    printf("%d\n", *((int*)ptr + 1 + (3-2)));
```

Response:

OPTIONS	RESPONSE	ANSWER
None of these		
000		
111	✔	✅
777		
Compilation Error		

Section 2
Section #2

	9	9m 30s	15.5/18
	question(s)	Time taken	Marks Scored

Q. 1

▼ **Question 1**   🕐 Time taken: 2m 7s   **Marks Scored: 2/2**

What will the following code snippet print?

```
static int arr[] = {0, 1, 2, 3, 4};
int *p[] = {arr, arr+1, arr+2, arr+3, arr+4};
int **ptr=p;
ptr++;
printf("%d, %d, %d\n", ptr-p, *ptr-arr, **ptr);
*ptr++;
printf("%d, %d, %d\n", ptr-p, *ptr-arr, **ptr);
*++ptr;
printf("%d, %d, %d\n", ptr-p, *ptr-arr, **ptr);
++*ptr;
    printf("%d, %d, %d\n", ptr-p, *ptr-arr,
**ptr);
    return 0;
```

Response:

OPTIONS	RESPONSE	ANSWER
0,0,0 1,1,1 2,2,2 3,3,3		
1,1,2 2,2,3 3,3,4 4,4,1		
0,1,2 1,2,3 2,3,4 3,4,5		
1,1,1 2,2,2 3,3,4 4,4,1	✅	✅
None of these		

▼ Question 2

What is the ouput of the following code?

```c
int main()
{
struct site
{
char name[] = "Hello";
int no_of_pages = 200;
};
struct site *ptr;
printf("%d ", ptr->no_of_pages);
printf("%s", ptr->name);
return 0;
}
```

Response:

OPTIONS	RESPONSE	ANSWER
200Hello		✅
200		
Runtime Error		
Compilation Error	☑	
None of these		

▼ **Question 3**

🕐 Time taken: 1m 6s   **Marks Scored: 2/2**

What will be the output of this code?

```
int main()
{
static char str[] = {86, 'V', 86, 86, 86};
char *v;
v = str;
for(int i= 0; i < 4; i++){
if(*v) printf("%c",*v); v++;
}
return 0;
}
```

Response:

OPTIONS	RESPONSE	ANSWER
Compilation error		
86868686		
86V8686		
VVVV	✅	✅
None of these		

▼ **Question 4**

🕐 Time taken: 2m 18s   **Marks Scored: 2/2**

What will the following code snippet print if the array begins at the address 56742 and every integer occupies 2 Bytes?

```
int a[3][4]
={2,4,5,3,2,4,8,7,0,7,5,6};
printf("%u, %u",a+1,&a+1);
```

Response:

OPTIONS	RESPONSE	ANSWER
56744 56748		
56750 56766	✅	✅
56750 5678		
56744 5678		
None of these		

```c
#include <stdio.h>
char *c[] = {"BITS", "Pilani", "Hyderabad", "Campus"};
char **cp[] = {c+3, c+2, c+1, c};
char ***cpp = cp;
int main()
{
    printf("%s ", **++cpp);
    printf("%s ", *--*++cpp+3);
    printf("%s ", *cpp[-2]+3);
    printf("%s ", cpp[-1][-1]+1);
    return 0;
}
```

Find the output?

Response:

OPTIONS	RESPONSE	ANSWER
Hyderabad erabad ani ilani		
Pilani erabad erabad ITS		
Hyderabad S pus ilani	✓	✓
Pilani ani S ITS		
None of these		

What will be the output?

```
#include<stdio.h>
#include<string.h>
#define strl(s) strlen(s)+sizeof(s)
void main() {
char c[10]={'B','I','T','S', 'H', 'Y', 'D'};
double sum=40/strl(c)*strl(c);
printf("%lf",sum); }
```

Response:

OPTIONS	RESPONSE	ANSWER
0.138408		
85.714285		
0.243902		
85.000000	✓	✓
None of these		

What will be the output?

```c
#include <stdio.h>
int main()
{
    int a[5] = {1,2,3,4,5};
    int *ptr = (int*)(&a+1);
    printf("%d %d", *(a+1), *(ptr-1));
    return 0;
}
```

Response:

OPTIONS	RESPONSE	ANSWER
2 5	✓	✓
2 garbage value		
garbage value garbage value		
2 1		
None of these		

Time taken: 31s   Marks Scored: 2/2

What is the output?

```c
#include <stdio.h>
int f(int x, int *py, int **ppz)
{
  int y, z;
  **ppz += 3;
  z  = **ppz;
  *py += 2;
  y = *py;
  x += 3;
  return x + y + z;
}

void main()
{
  int c, *b, **a;
  c = 6;
  b = &c;
  a = &b;
  printf( "%d", f(c,b,a));

}
```

Response:

OPTIONS	RESPONSE	ANSWER
30		
33		
27		
29	✓	✓
None of these		

Question 9

```
int f(int n, int k)
{
if(n==0) return 0;
else if(n%2) return f(n/2,
2*k)+k;
else return f(n/2, 2*k)-k;
}
int main()
{
printf("%d",f(20,1));
return 0;
}
```
What is the output of the above code snippet?

Response:

OPTIONS	RESPONSE	ANSWER
9	✓	✓
5		
8		
20		
None of these		

Q. 1

▼ Question 1

🕐 Time taken: 2m 37s | Marks Scored: 0/4

Program for reversing a string using pointers.

(The expressions should be written in the following form only: **exp1; exp2**. No other form will be acceptable.)

```c
#include <stdio.h>
int main()
{
    char str1[50];
    char revstr[50];
    char *stptr = str1;
    char *rvptr = revstr;
    int i=-1;
    printf(" Input a string : ");
    scanf("%s",str1);
    while(exp1)
    {
     stptr++;
     i++;
    }
    while(i>=0)
    {
     stptr--;
     *rvptr = *stptr;
     rvptr++;
     --i;
    }
    *rvptr=exp2;
    printf(" Reverse of the string is : %s\n\n",revstr);
    return 0;
}
```

Response:

exp1 = exp2 = str1

Answer:

Best answer	*stptr; '\0'