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Registration Details

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Performance Category



You have been rated as **Below Average** by the assessor for this test.

Overall Summary

MARKS SCORED

		 Score	 Percentile	 Percentage
Section #1		12 / 25	58	48
Total		12 / 25	58	48

Percentile is among 738 candidate(s) who've taken this test.

SUMMARY OF ATTEMPTS

5 Not Attempted  
(Scored 0/5)



8 Incorrect  
(Scored 0/8)

12 Correct  
(Scored 12/12)

TIME TAKEN

0	39
hr	min


Available time: 0 hr 40 min

TOTAL QUESTIONS

25

Section-wise Details

Section #1

MARKS SCORED			
			
		Score	Percentage
C Preprocessor		0 / 2	0
C Enum n Typedef	<div><div></div></div>	1 / 1	100
C Recursive	<div><div></div></div>	2 / 2	100
C Switch n Loop		0 / 1	0
C Bitwise Operators	<div><div></div></div>	1 / 2	50
C Bitwise Operators	<div><div></div></div>	1 / 2	50
C BitField		0 / 2	0
C Operators		0 / 1	0
C Link List	<div><div></div></div>	1 / 1	100
C Formatted Output		0 / 2	0
C File Operations		0 / 1	0
C Memory Allocation	<div><div></div></div>	1 / 1	100
C Variables n Scope	<div><div></div></div>	2 / 2	100
C Pointers	<div><div></div></div>	1 / 1	100
C Pointers	<div><div></div></div>	1 / 3	33.33
C Pointers	<div><div></div></div>	1 / 1	100
Total	<div><div></div></div>	12 / 25	48

SUMMARY OF ATTEMPTS

TIME TAKEN

5 Not Attempted  
(Scored 0/5)



12 Correct  
(Scored 12/12)

8 Incorrect  
(Scored 0/8)

0

hr

39

min

This was untimed section.

TOTAL QUESTIONS

25

Difficulty Level Analysis

ASSESSMENT LEVEL ANALYSIS

Difficulty Levels	Total no. of questions	No. of Attempted questions	Marks Scored
Easy (E)	6	4 / 6	1 / 6
Medium (M)	14	11 / 14	9 / 14
Difficult (D)	5	5 / 5	2 / 5
Total	25	20 / 25	12 / 25

SKILL LEVEL ANALYSIS

C File Operations			
Difficulty Levels	Total no. of questions	No. of Attempted questions	Marks Scored
Easy (E)	1	1 / 1	0 / 1
Total	1	1 / 1	0 / 1

C Operators			
Difficulty Levels	Total no. of questions	No. of Attempted questions	Marks Scored
Easy (E)	1	1 / 1	0 / 1

Total	1	1 / 1	0 / 1
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C Pointers			
Difficulty Levels	Total no. of questions	No. of Attempted questions	Marks Scored
Easy (E)	1	1 / 1	1 / 1
Total	1	1 / 1	1 / 1

C Preprocessor			
Difficulty Levels	Total no. of questions	No. of Attempted questions	Marks Scored
Easy (E)	2	0 / 2	0 / 2
Total	2	0 / 2	0 / 2

C Switch n Loop			
Difficulty Levels	Total no. of questions	No. of Attempted questions	Marks Scored
Easy (E)	1	1 / 1	0 / 1
Total	1	1 / 1	0 / 1

C Bitwise Operators			
Difficulty Levels	Total no. of questions	No. of Attempted questions	Marks Scored
Medium (M)	2	1 / 2	1 / 2
Total	2	1 / 2	1 / 2

C Enum n Typedef			
Difficulty Levels	Total no. of questions	No. of Attempted questions	Marks Scored
Medium (M)	1	1 / 1	1 / 1
Total	1	1 / 1	1 / 1

C Formatted Output			
Difficulty Levels	Total no. of questions	No. of Attempted questions	Marks Scored
Medium (M)	2	1 / 2	0 / 2
Total	2	1 / 2	0 / 2

C Link List			
Difficulty Levels	Total no. of questions	No. of Attempted questions	Marks Scored
Medium (M)	1	1 / 1	1 / 1
Total	1	1 / 1	1 / 1

C Memory Allocation			
Difficulty Levels	Total no. of questions	No. of Attempted questions	Marks Scored
Medium (M)	1	1 / 1	1 / 1
Total	1	1 / 1	1 / 1

C Pointers			
Difficulty Levels	Total no. of questions	No. of Attempted questions	Marks Scored
Medium (M)	3	2 / 3	1 / 3
Total	3	2 / 3	1 / 3

C Recursive			
Difficulty Levels	Total no. of questions	No. of Attempted questions	Marks Scored
Medium (M)	2	2 / 2	2 / 2
Total	2	2 / 2	2 / 2

C Variables n Scope			
Difficulty Levels	Total no. of questions	No. of Attempted questions	Marks Scored
Medium (M)	2	2 / 2	2 / 2
Total	2	2 / 2	2 / 2

C BitField			
Difficulty Levels	Total no. of questions	No. of Attempted questions	Marks Scored
Difficult (D)	2	2 / 2	0 / 2
Total	2	2 / 2	0 / 2

C Bitwise Operators			
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Difficulty Levels	Total no. of questions	No. of Attempted questions	Marks Scored
Difficult (D)	2	2 / 2	1 / 2
Total	2	2 / 2	1 / 2

C Pointers			
Difficulty Levels	Total no. of questions	No. of Attempted questions	Marks Scored
Difficult (D)	1	1 / 1	1 / 1
Total	1	1 / 1	1 / 1

Question-wise Details

Section #1

Question 1:

Time: 1 Min 48 Sec

Marks: 0 / 1

What will be output of the following program?

```
int main()

{

    FILE *fp = stdin;

    int n;

    fprintf(fp, "%d", 45);

}
```

Options	Response	Answer
Nothing		✓
45		
Compilation error	✓	
Depends on the standard		

Question 2:

Time: 3 Min 18 Sec

Marks: 0 / 1

What will be output of the following program?

```
#include <stdio.h>

void main()

{

    int x = 4;

    int *p = &x;

    int *k = p++;

    int r = p - k;

    printf("%d", r);

}
```



Options	Response	Answer
1		✓
8		
Run Time Error	✓	
4		

Question 3:

Time: 2 Min 8 Sec

Marks: 1 / 1

What is the value of the following statement?

$x = x \& (x - 1)$

Options	Response	Answer
Set all bit to ON		
Set all bit to OFF		
Left-most bit will be Off		
Right-most Bit will be Off	✓	✓

Question 4:

Time: 4 Min 48 Sec

Marks: 1 / 1

Output of following program ?

```
int main(void)

{

    int a = 100;

    char* x = (char*)&a;

    char** y = &x;

    y[0] = (char*)0x62fe14;

    printf("%x\n", x);

    printf("%x", *y);

}
```

Options	Response	Answer
0x0010		
0x1902		
0x62fe14	✓	✓
0x62fe14		
0x62fe14		
0x62fe15		
Crash		

Question 5:

Time: 1 Min 56 Sec

Marks: 1 / 1

What will be the output of the following code?

```
void main()

{

    int const* p = 5;

    printf("%d", ++(*p));

}
```

Options	Response	Answer
6		
Garbage Value		
5		
Compiler Error	✓	✓

Question 6:

Time: 2 Min 50 Sec

Marks: 1 / 1

What does the following function do for a given Linked List with first node as head?

```
void fun1(struct node* head)

{

if(head == NULL)

return;

fun1(head->next);

printf("%d ", head->data);

}
```

Options	Response	Answer
Prints alternate nodes of Linked List		
Prints alternate nodes in reverse order		
Prints all nodes of linked list in reverse order	✓	✓
Prints all nodes of linked lists		

Question 7:

Time: 10 Min 22 Sec

Marks: 1 / 1

What will be output of the program?

```
int f1(int *a, int n){

    if(n<=0)    return 0;

    else if(*a%2==0)    return *a+f1(a+1, n-1);

    else return *a-f1(a+1, n-1);

}


int main()

{

    int a[] = {15, 9 ,16, 3, 11, 6};

    printf("%d\n", f1(a,6));

    return 0;

}
```

Options	Response	Answer
15		
20	✓	✓
25		
30		

Question 8:

Time: 2 Min 4 Sec

Marks: 0 / 1

Calculate the % of memory saved when bit-fields are used for the following C structure as compared to with-out use of bit-fields for the same structure? (Assuming size of int = 4)

struct temp

```
{  
  
    int a : 1;  
  
    int b : 2;  
  
    int c : 4;  
  
    int d : 4;  
  
};
```

Options	Response	Answer
50%		
75%		✓
25%	✓	
33.3%		

Question 9:

Time: 1 Min 11 Sec

Marks: 1 / 1

```
int main(void)

{

    int b = 20;

    int* y = &b;

    char n = 'A';

    char* z = &n;

    y[0] = z[0];

    printf((*y == *z) ? "True" : "False");

}
```

Options	Response	Answer
Program would crash		
True	✓	✓
Compilation error		
False		

Question 10:

Time: 38 Sec

Marks: 0 / 1



What will be output for the following program?

```
int main()

{

    int i=-1, j=-1, k=-1, l=2, m;

    m= i++ && j++ && k++ || l++;

    printf("%d%d%d%d%d", i, j, k, l, m);

    return 0;

}
```

Options	Response	Answer
00022		
00023	✓	
0		
00021		✓

Question 11:

NOT ATTEMPTED

What will be the output of the following code?

```
int main()

{

    char ch = 10;

    void* ptr = &ch;

    printf("%d, %d", *(char*)ptr, ++(*(char*)ptr));

    return 0;

}
```

Options	Response	Answer
11, 11		✓
ERROR		
10, 10		
10, 11		

Question 12:

NOT ATTEMPTED

What will be output for the following program?

```
int main()

{

    int x = 032;

    printf("%d", x);

    return 0;

}
```

Options	Response	Answer
32		
032		
26		✓
0		

Question 13:

Time: 1 Min 1 Sec

Marks: 1 / 1

#include <stdio.h>

main() {

{

register int weight = 60;

int \*ptr=&weight;

printf("%d", \*ptr);

}

Options	Response	Answer
NULL		
Garbage Value		
Compilation error	✓	✓
Runtime error		
60		

Question 14:

NOT ATTEMPTED

What will be the output of the following code?

```
#define square(x) x*x

int main()

{

    int x;

    x = 36/square(6);

    printf("%d",x);

    return 0;

}
```

Options	Response	Answer
36		✓
Compile time error		
Segmentation fault		
1		

Output of following program ?

```
int main(){

    int a = 10;
    printf(“%d ”, ++a++);
}
```

Options	Response	Answer
12		
11		
Compile Time Error		✓
Run time error		

Question 16:

NOT ATTEMPTED

Assuming x as 32 bit signed int, what would be value of x after executing this statement?

```
x= x|(x=-1);
```

Options	Response	Answer
1		
-1		✓
Depends on previous value of x		
0		

Question 17:

Time: 24 Sec

Marks: 0 / 1

For what minimum value of x in a 32-bit Linux OS would make the size of s equal to 8 bytes?

struct temp

{

int a : 13;

int b : 8;

int c : x;

}s;

Options	Response	Answer
8		
32	✓	
12		✓
4		

Question 18:

Time: 55 Sec

Marks: 1 / 1

What will be output of this program?

```
int main()

{

    static int a=5;


    if(--a){

        main();

        printf("%d\n", a);

    }


    return 0;

}
```

Options	Response	Answer
4 3 2 1		
0		
3 2 1 0		
0 0 0 0	✓	✓

Assuming x as 32 bit signed int, what would be value of x after executing this statement?

```
x= -2 >> 1;
```



Options	Response	Answer
-2		
-4		
2^31-1	✓	
-1		✓

Question 20:

Time: 33 Sec

Marks: 1 / 1

Which of the following is a correct syntax to pass a Function Pointer as an argument?

Options	Response	Answer
void pass(int (*fptr)(int, float, char)){}	✓	✓
void pass(*fptr(int, float, char)){}		
void pass(*fptr){}		
void pass(int (*fptr)){}		

Question 21:

Time: 1 Min 1 Sec

Marks: 1 / 1

What will be output of the following program?

```
#include <stdio.h>

enum foundry{

    a,b,c=5

};

enum foundry s;

void main(){

    c++;

    printf("%d",c);

}
```

Options	Response	Answer
6		
2		
5		
Error	✓	✓

Question 22:

Time: 59 Sec

Marks: 1 / 1

What is the value of the following statement?

```
(x<<1) + x + (x>>1)
```

Options	Response	Answer
3.5x	✓	✓
3x		
2x		
2.5x		

Question 23:

Time: 44 Sec

Marks: 0 / 1

What will be output of the following program?

```
#include <stdio.h>

int main()

{

    int i = 10, j = 2;

    printf("%d\n", printf("%d %d ", i, j));

}
```

Options	Response	Answer
Compile time error		
10 2 5		✓
10 2 2	✓	
10 2 4		

Question 24:

Time: 50 Sec

Marks: 0 / 1

Output of following program ?

```
#define L 10
```

```
void main()
```

```
{
```

```
int a = 10;
```

```
switch (a, a*2)
```

```
{
```

```
case L:
```

```
printf("ABC");
```

```
break;
```

case L\*2:

printf("XYZ");

break;

case L\*3:

printf("PQR");

break;

default:

printf("MNO");

case L\*4:

printf("www");

break;

}

}

Options	Response	Answer
MNO		
XYZ		✓
PQR		
ABC	✓	

Question 25:

Time: 48 Sec

Marks: 1 / 1

What will be the output of the following C code?

```
#include <stdio.h>

struct p
{
    struct p *next;

    int x;
};

int main()
{
    struct p *p1 = calloc(1, sizeof(struct p));

    p1->x = 1;

    p1->next = calloc(1, sizeof(struct p));

    printf("%d\n", p1->next->x);

    return 0;
}
```

Options	Response	Answer
0	✓	✓
Somegarbage value		
1		
Compile time error		

Test Log

28 May,2021

08:00 am     Started the test with Section #1

08:40 am     Test ended due to time over