## Indian Institute of Technology Kanpur ESC101 Fundamentals of Computing, 2018-19-a

Name: ANSWER KEY

**MINOR QUIZ** 

W10P\*

Roll:

Sect:

P1

```
#include < stdio.h>-
int main(){-
    int a[5] = {1,2,3,4,5};-
    int a[5] = (long)(a + 3);-
    int f("%ld", b - (long)a);-
    int a[5] = {1,2,3,4,5};-
    int a[5] = (long)(a + 3);-
    int a[5] = (long)(a + 3);-
    int main(){-
    i
```

Q1: What is the output of this code?

Q2: What is the output of this code?

Note: whitespaces indicated using gray-colored characters as in Prutor

### GOLD SOLUTION

#### MAX MARKS

5

```
GOLD SOLUTION
```

76543221

#### MAX MARKS

5

P2

Q1: What is the output of this code?

```
#include <stdio.h>
   #include <stdlib.h>
  int main(){
int main(){

... int **arr = (int**)malloc(3*sizeof(int*));
}
     6 -
9
10
            arr[i][j] = p + k;
11
12
        1
13
14
      15
16
17
      return 0;
18 }
```

Q2: What is the output of this code?

Note: whitespaces indicated using gray-colored characters as in Prutor

GOLD SOLUTION	GOLD SOLUTION
54	121110141315
MAX MARKS	MAX MARKS
<b>5</b>	<b>5</b>

```
Ρ3
```

```
#include <stdio.h>
#include <stdib.h>

#include <stdlib.h>

#include <stdlib.h>

#int main(){-

#int main(
```

Q1: What is the output of this code?

ĺ	1	#include <stdio.h>-</stdio.h>
	2	#include <stdlib.h>-</stdlib.h>
	3	
	4 -	<pre>int main(){-</pre>
	5	····char·str[3][10] = {"ABCDEF", "ESC101", "123456789"};
	6	····int·*ptr, i;-
	7 +	····for(i = 0; i < 3; i++){-
	8	<pre>ptr = (int*)(&amp;str[i][0]);</pre>
	9	····ptr·+=·i;-
	10	····printf("%s", (char*)ptr); // No newlines or spaces
	11	}-,
	12	····return 0;
	13	}-

Q2: What is the output of this code?

Note: whitespaces indicated using gray-colored characters as in Prutor

# GOLD SOLUTION 28 ABCDEF019 MAX MARKS MAX MARKS 5

#### P4

Q1: What is the output of this code?

Q2: What is the output of this code?

Note: whitespaces indicated using gray-colored characters as in Prutor

GOLD SOLUTION	GOLD SOLUTION
44	ADGJ
MAX MARKS	MAX MARKS
5	5