

Quiz-5

IC-100: Introduction to Programming

Time-15 min

Question-1

How many times is 'a' printed when the following C code is executed?

```
#include <stdio.h>
void fun(int **p)
{
    static int q = 40;
    p = &q;
}
int main()
{
    int data = 27;
    int *ptr = &data;
    fun(&ptr);
    printf("%d", *ptr);
    return 0;
}
```

Ans.

Question-2

What does the following function print for n = 25?

```
#include <stdio.h>
void main()
{
    int a[ ] = {1,2,3,4,5}, *p;
    p = a;
    ++*p;
    printf("%d ", *p);
    p += 2;
    printf("%d ", *p);
}
```

Ans.

Question-3

What is the output of the following code snippet?

```
#include <stdio.h>
int main ( )
{
    static int a [ ] = {10, 20, 30, 40, 50} ;
    static int *p [ ] = {a, a+3, a+4, a+1, a+2} ;
    int **ptr = p;
    ptr++;
    printf(“%d%d”, ptr-p, **ptr) ;
}
```

Ans.

Question-4

How many times is ‘a’ printed when the following C code is executed?

```
#include <stdio.h>
int main()
{
    char c[ ] = "ICRBCSIT17";
    char *p = c;
    printf(“%s”,c + 2[p] - 6[p] - 1);
    return 0;
}
```

Ans.

Question-5

What is the output of the following code snippet?

```
#include <stdio.h>
int main()
{
    int i = 0, j = 1;
    int *a[ ] = {&i, &j};
    printf(“%d”, (*a)[0]);
    return 0;
}
```

Ans.

40

23

140

17

0