

Quiz
Course - B.Tech. 5th Semester
Subject – OSW (CSE 3541)
Section - G
Date – 17-10-2023

[*Assume all the required header files are included in the program/code.]

1. What will be the output of the following code?

```
main() { int c,d, *p1=&c,*p2=&d, x;  
c =10, d =4;  
x = -3* - *p2 / *p1 + 5;  
printf("%d ",x);  
}
```

- A) 6
- B) Invalid syntax because / * is used for comments.
- C) 8
- D) Invalid syntax because three binary operators can't be together in an expression.

2. Consider the statement given below:

```
int a[5] = {1, 2, 3, 4, 5}, *p = a;
```

Which printf statement will print the value of fourth element of the array?

- A) printf("%d ", *(p + 3));
- B) printf("%d", p[4]);
- C) printf("%d ", a + 3);
- D) printf("%d ", *a + 3);

3. What will be the output of the following code?

```
int main()  
{  
    int i=2,*j;  
    j=&i;  
    printf("%d",i**j*i+*j);  
}
```

- A) Syntax error due to invalid expression in printf
- B) Print junk value
- C) 16
- D) 10

4. What is the output of the following code?

```
int main(){  
int arr[]={10,20,30,40,50}, *p;  
p=&arr[2];  
p++;  
*p=(*(p+1))++;  
printf("%d %d", *p, *(p+1));  
return 0;  
}
```

- A) 40 41
- B) 30 40
- C) 30 41
- D) 50 51

5. What will be the output of the following code?

```
void fun(int x, int *y)
{
    x++;
    *y=x+x;
}
int main()
{
    int b=4,a=1;
    fun(3, &b);
    printf("%d %d",a,b);
return 0;
}
```

- A) 1 4
 - B) 1 8
 - C) 4 1
 - D) 8 1
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