

# 10- 2024- I²IT T&P Aptitude & Technical MOCK Test : Date : 05/07/2024

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\* Indicates required question

## TECHNICAL SECTION

10 QUESTIONS EACH CARRY ONE MARK

Predict the output of following code: \*

Predict the output of following code:

```
main()
{
    int a[]={1,5};
    printf("%d",*a);    //a is base address i.e. a[0] *a its content
    (*a)++;            //content of a[0] is incremented by 1
    printf("%d",*a);    //new value will be 2
}
```

- ☐ 1, 5
- ☒ 1, 2
- ☐ Error
- ☐ 1, 6



Predict the output of following code: \*

Predict the output of following code:

```
main()
{
    int a[3]={1,2,3};
    printf("%d", 2[a]); // 2[a] → a[2] → *(a+2) all are same
}
```

- ☒ 3
- ☐ 2
- ☐ ERROR
- ☐ 6

Predict the output of following code: \*

```
main()
{
    printf("%c",2["hai"]); // 2nd character in the string i.e. i
}
```

- ☐ 2
- ☐ h
- ☐ error
- ☐ i



Predict the output of following code: \*

```
Predict the output of following code:  
main()  
{  
    char s[] = "";    //null character  
    printf("%d", sizeof(s));  
}
```

- ☐ 1
- ☐ garbage
- ☐ error
- ☐ 2

Predict the output of following code: \*

```
Predict the output of following code:  
main()  
{  
    int i=0,n;  
    int a[10]={1,2,3,4,5,6,7,8};  
    n=a[++i]+ i++ + a[i++] + a[i];  
    printf("%d",n);  
}
```

- ☐ 7
- ☐ 10
- ☐ 9
- ☐ 8



Predict the output of following code: \*

```
main()
{
    int a[][]={{1,2},{3,4},{5,6}};
    printf("%d",a[1][1]);
}
```

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4

Predict the output of following code: \*

**Predict the output of following code:**

```
main()
{
    int a[3][2]={{1,2},{3,4},{5,6}};
    printf("%d,%d,%d\n",a[2][1],*(a[2]+1),*(*(a+2)+1));
}
```

- ☐ error
- ☐ garbage value
- ☐ 2,3,4
- ☐ 6,6,6



Predict the output of following code: \*

**Predict the output of following code:**

```
main()
{
int arr2D[3][3]={1,2,3,4,5,6};
printf("%d\n", ((arr2D==* arr2D)&&>(* arr2D == arr2D[0])) );
}
```

- ☐ error
- ☐ 1
- ☐ 0
- ☐ 6



Predict the output of following code: \*

**Predict the output :**

```
main()
{
int a=10,*p;
int *vp;
p=&a;
vp=p;
printf("%d",*p);    // p → a    both p & vp points to a
printf("%d",*vp);   // vp → a
}
```

- ☐ 1010
- ☐ Error type casting required
- ☐ 10 Garbage values
- ☐ Both are garbage value
- ☐ Predict the



Predict the output of following code: \*

```
Predict the output of following code:  
main()  
{  
    char a= 'a',*p;  
    p=&a;  
    printf(“%d,%d”,sizeof(*p) , sizeof(p));  
}
```

- ☐ 1, 2
- ☐ 2, 2
- ☐ 1, 1
- ☐ Error

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