

1-What is (void*)0?

- A. Representation of NULL pointer
- B. Representation of void pointer
- C. Error
- D. None of above

2-What will be the output of the program ?

```
#include<stdio.h>

int main()
{
    static char *s[] = {"black", "white", "pink", "violet"};
    char **ptr[] = {s+3, s+2, s+1, s}, ***p;
    p = ptr;
    ++p;
    printf("%s", **p+1);
    return 0;
}
```

- A. ink
- B. ack
- C. ite
- D. let

3-What will be the output of the program ?

```
#include<stdio.h>

int main()
{
    int i=3, *j, k;
    j = &i;
    printf("%d\n", i**j*i+*j);
    return 0;
}
```

- A. 30
- B. 27
- C. 9
- D. 3

4-What will be the output of the program ?

```
#include<stdio.h>

int main()
{
    int x=30, *y, *z;
    y=&x; /* Assume address of x is 500 and integer is 4 byte size */
    z=y;
    *y++=*z++;
    x++;
    printf("x=%d, y=%d, z=%d\n", x, y, z);
    return 0;
}
```

- A. x=31, y=502, z=502
- B. x=31, y=500, z=500
- C. x=31, y=498, z=498
- D. x=31, y=504, z=504

5-What will be the output of the program ?

```
#include<stdio.h>

int main()
{
    char str[20] = "Hello";
    char *const p=str;
    *p='M';
    printf("%s\n", str);
    return 0;
}
```

- A. Mello
- B. Hello
- C. HMello
- D. MHello

6-What will be the output of the program ?

```
#include<stdio.h>

int main()
{
    int i, a[] = {2, 4, 6, 8, 10};
    change(a, 5);
    for(i=0; i<=4; i++)
        printf("%d, ", a[i]);
    return 0;
}
void change(int *b, int n)
{
    int i;
    for(i=0; i<n; i++)
        *(b+i) = *(b+i)+5;
}
```

- A. 7, 9, 11, 13, 15
- B. 2, 15, 6, 8, 10
- C. 2 4 6 8 10
- D. 3, 1, -1, -3, -5

7-What does the following declaration mean?

int (*ptr)[10];

- A. ptr is array of pointers to 10 integers
- B. ptr is a pointer to an array of 10 integers
- C. ptr is an array of 10 integers
- D. ptr is an pointer to array

8-In C, if you pass an array as an argument to a function, what actually gets passed?

- A. Value of elements in array
- B. First element of the array
- C. Base address of the array
- D. Address of the last element of array

9-What will be the output of the program ?

```
#include<stdio.h>

int main()
{
    printf("Good Morning\n");
    return 0;
}
```

- A. Good Morning
- B. Good
- C. M
- D. Morning

10-What will be the output of the program?

```
#include<stdio.h>

int main()
{
    int y=128;
    const int x=y;
    printf("%d\n", x);
    return 0;
}
```

- A. 128
- B. Garbage value
- C. Error
- D. 0

11-What will be the output of the program?

```
#include<stdio.h>

int main()
{
    const int x=5;
    const int *ptrx;
    ptrx = &x;
    *ptrx = 10;
    printf("%d\n", x);
    return 0;
}
```

- A. 5
- B. 10
- C. Error
- D. Garbage value

12-What will be the output of the program?

```
#include<stdio.h>

int main()
{
    const char *s = "";
    char str[] = "Hello";
    s = str;
    while(*s)
        printf("%c", *s++);

    return 0;
}
```

- A. Error
- B. H
- C. Hello
- D. Hel