

Pointers MCQ'S

Sheet -I

Find out any error in the following code (1-4):

1. void main()
{
int *ptr=10;
printf("the value of ptr is
%d",*ptr);
}

3. void main()
{
char *c;
float x=10;
c=&x;
printf("%d",*c);
}

2. void main()
{
int a=5, *b=&a;
printf("d",a*b);
}

4. void main()
{
int a=10;
float *p=&a;
printf("%d%d",a,*p);
}

What will be the output of following code (5-10):

5. void main()
{
int a=5, *b=&a;
printf("d",a**b);
}

8. void main()
{
int x,*p;
p=&x;
*p=2;
printf(value of x is",x);
}

6. void main()
{
int a;
*&a=50;
printf("%d",a);
}

9. void main()
{
int a=10;
int *ptr=&a;
printf("%d %d",++*ptr,*ptr++);
}

7. void main()
{
int i=50;
int *j=&i;
printf("%d",++(*j));
}

10. void main()
{
int num=5,*p=&num,x=*p;
printf("%d %d %d",++num,x+2,*p--);
}

11. What are the advantages and limitations of pointers?

12. What is difference between a.) *p++ and p++ b.) p and *p.

13. What is the purpose of including data type at the time of declaration of pointer?

Pointers MCQ'S

Sheet -II

1. What is the similarity between array name and pointer?
2. Is the following statement valid? Justify your answer. `m=(float *)&p;`

What will be the output of following programs?

3.

```
#include <stdio.h>
void main()
{
    char s[] = "hello";
    printf("%c\n", *(s+1));
    printf("%c\n", *s+1);
    printf("%s\n", *(s+1));
}
```
4.

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

```
#include <stdio.h>
void main()
{
    int ary[4] = {1, 2, 3, 4};
    int *p = ary + 3;
    printf("%d\n", p[-2]);
}
```
6.

```
#include <stdio.h>
void main()
{
    char *str = "hello world";
    char strc[] = "good morning
india\n";
    strcpy(strc, str);
    printf("%s\n", strc);
}
```
7.

```
#include <stdio.h>
int main()
{
    char a[2][6] = {"hello", "hi"};
    printf("%d", sizeof(a));
    return 0;
}
```

8.

```
#include <stdio.h>
int main()
{
    char *a[2] = {"hello", "hi"};
    printf("%s", *(a + 1));
    return 0;
}
```
9.

```
#include <stdio.h>
main()
{
    int a[2][3] = {
        10,20,30,40,50,60};
    int i,j;
    for(i=0;i<3;++i)
    {
        printf("\n");
        for(j=0;j<3;++j)
            printf("%d",*(a+i+j));
    }
}
```
10.

```
#include <stdio.h>
void main()
{
    char str[] = "ABCDEF";
    printf("%d",(&str[3]-&str[0]));
}
```
11. What is difference between uninitialized pointer and Null pointer?
12. What is dangling pointer?

