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Department of CSE-DS/AIML.

Title	**Practice Paper- Day 02**
Subject	**Pseudo Code/ InfyTQ Pseudo Code**
Topics	**Operators**
Lecture Date	
Faculty Name	**Dilip Bharti**
Section	**A, B, & C**

1. What is the output of this C code?

```
#include<stdio.h>
int main()
{
    int i=-3;
    int k=i%2;
    printf("%d\n",k);
    return 0;
}
```

a). Compile Time Error b). -1 c). 1 d). Implementation Defined

2. What is the output of this C code?

```
#include<stdio.h>
int main()
{
    int i=-3;
    int l=i/-2;
    int k=i%-2;
```

```
    printf("%d %d\n",l,k);
    return 0;
}
```

a). Compile Time Error b). -1 1 c). 1 -1 d). Implementation Defined

3. What is the output of this C code?

```
#include<stdio.h>
int main()
{
    int i=5;
    i=i/3;
    printf("%d \n",i);
    return 0;
}
```

a). Compile Time Error b). 1 c). 3 d). Implementation Defined

4. What is the output of this C code?

```
#include<stdio.h>
int main()
{
    int i=-5;
    i=i/3;
    printf("%d \n",i);
    return 0;
}
```

a). Compile Time Error b). -3 c). -1 d). Implementation Defined

5. What is the value of x in this C code?

```
#include<stdio.h>
int main()
{
    int x=5*9/3+9;
    printf("%d\n",x);
    return 0;
}
```

a). 3.75 b). Depends on Compiler c). 24 d).3

6. What is the output of this C code?

```
#include<stdio.h>
int main()
{
    int x=5.3%2;
    printf("Value of x is %d",x);
    return 0;
}
```

a). Compile Time Error b). Value of x is 2.3

c). Value of x is 1 d). Value of x is 0.3

7. What is the output of this C code?

```
#include<stdio.h>
int main()
{
```

```
    int y=3;
    int x=5%2*3/2;
    printf("Value of x is %d",x);
    return 0;
}
```

a). Compile Time Error

b). Value of x is 1

c). Value of x is 2

d). Value of x is 3

8. What is the output of this C code?

```
#include<stdio.h>
int main()
{
    int a=3;
    int b= ++a + a++ + --a;
    printf("Value of b is %d",b);
    return 0;
}
```

a). Undefined Behaviors

b). Value of b is 12

c). Value of b is 13

d). Value of b is 10

9.

What is the output of this C code?

```
#include<stdio.h>
int main()
{
```

```
    int a=10;
    double b= 5.6;
    int c;
    c=a+b;
    printf("%d",c);
    return 0;
}
```

a). 15 b). 16 c). 15.6 d). 10

10. What is the output of this C code?

```
#include<stdio.h>
int main()
{
    int a=10,b=5,c=5;
    int d;
    d=a==(b+c);
    printf("%d",d);
    return 0;
}
```

a). 1 b). Syntax Error c). 101 d). 5

11. What is the output of this C code?

```
#include<stdio.h>
int main()
{
```

```
    int k =8;
    int x =0 ==1&& k++;
    printf("%d%d\n",x,k);
    return 0;
}
```

a). 0 9 b). 0 8 c). 1 8 d). 1 9

12. What is the output of this C code?

```
#include<stdio.h>
int main()
{
    char a='a';
    int x=(a%10)++;
    printf("%d\n",x);
    return 0;
}
```

a). Compile Time Error b). Garbage Value c). 6 d).7

13. What is the output of this C code?

```
#include<stdio.h>
int main()
{
    Unsigned int x=-5;
    printf("%d\n",x);
    return 0;
}
```

a). Run Time Error b). Aries c). -5 d). 5

14. What is the output of this C code?

```
#
include<stdio.h>
int main()
{
    int x =2, y=1;
    x*=x+y;
    printf("%d\n",x);
    return 0;
}
```

a). Compile Time Error b). 5 c). 6 d). Undefined Behavior

15. What is the output of this C code?

```
#include<stdio.h>
int main()
{
    int x=2, y=2;
    x/=x/y;
    printf("%d\n",x);
    return 0;
}
```

a). Compile Time Error b). 2 c). 0.5 d). Undefined Behavior

16. What is the output of this C code?

```
#include<stdio.h>
```

```
int main()
{
    int c;
    float a,b;
    a=245.05;
    b=40.02;
    c=a+b;
    printf("%d\n",c);
    return 0;
}
```

a). Compile Time Error b). 285.07 c). 285 d). 285.0

17. What is the output of this C code?

```
#include<stdio.h>
int main()
{
    int a,b,c;
    b=2;
    a=2*(b++);
    c=2*(++b);
    printf("a=%d  c=%d\n",a,c);
    return 0;
}
```

a). Compile Time Error b). a=4 c=6 c). a=3 c=8 d). a=4 c=8

18. What will be the value of count after the following program is execute?

```
#include<stdio.h>
int main()
{
        int count, digit=0;
        count=1;
        while(digit<=9)
        {
                printf("%d\n",++count);
                digit++;
        }
        printf("%d\n",++count);
         printf("%d\n",digit);
}
```

a). Compile Time Error b). 10 c). 11 d). 12

19. If the following variables are set to the values as shown below, then what will be the value of the following expression?

```
#include<stdio.h>
int main()
{
        int answer =2;
        int marks=10;
        int result=!((answer<5)&&(marks>2));
        printf("result is %d\n",result);
        return 0;
```

```
}
```

a). Compile Time Error b). result is 1 c). result is 0 d). result is 2

20. What should be the value of i and k in this C code?

```
#include<stdio.h>
int main()
{
    int i,j,k;
    {
        j=5;
        i=2*j/2;
        k=2*(j/2);
    }
    printf("i=%d , k=%d\n",i,k);
    return 0;
}
```

a). Compile Time Error b). i=5 , k=5 c). i=5, k=4 d). i=4, k=5

21. What is the output of this C code?

```
#include<stdio.h>
int main()
{
    int a=2, b=3, c=4;
    a=(b++)+c;
    b=a+(++c);
    printf("%d %d %d\n",a,b,c);
```

```
    return 0;
}
```

a). Compile Time Error b). 8 12 5 c). 7 12 5 d). 7 11 5

22. What is the output of this C code?

```
#include<stdio.h>
int main()
{
    int a, c;
    c=2;
    a=(c+=5)*2;
    printf("%d\n",a);
    return 0;
}
```

a). Compile Time Error b). 10

c). 14 d). The second assignment statement is syntactically incorrect.

23. What is the output of this C code?

```
#include<stdio.h>
int main()
{
   int k, num = 100;
   k = (num > 50 ? (num <= 10 ? 100 : 200): 500);
   printf("%d\n", num);
   return 0;
```

```
}
```

a). Compile Time Error b). 100 c). 200 d). 300