

INPUT OUTPUT STATEMENTS

1. What will be the output of the following program if value 25 is supplied to scanf()?

```
#include<stdio.h>
int main( )
{
    int i ;
    printf(“%d\n” , scanf( “%d” , &i ) ) ;
    return 0 ;
}
```

- A. 25 B. 2 C. 1 D. 5

2. What will be the output of the following program ?

```
#include<stdio.h>
int main( )
{
    int a = 250;
    printf(“%1d\n” , a ) ;
    return 0 ;
}
```

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

```
#include<stdio.h>
int main( )
{
    float a= 3.15529 ;
    printf( “%6.2f\n” , a ) ;
    printf( “%6.3f\n” , a ) ;
    printf( “%5.4f\n” , a ) ;
    printf( “%2.1f\n” , a ) ;
    printf( “%0.0f\n” , a ) ;
    return 0 ;
}
```

4. If a file contains the line “I am a boy\r\n” then on reading this line into the array str using fgets() what will str contain ?

- A. “I am a boy\r\n\0”
B. “I am a boy\r\0”
C. “I am a boy\n\0”
D. “I am a boy”

5. To print out a and b given below, which of the following printf() statement will you use?

```
float a = 3.14 ;
double b = 3.14 ;
```

A. printf(“%f%lf\n” , a , b) ;
B. printf(“%Lf%f\n” , a , b) ;
C. printf(“%Lf%Lf\n” , a , b) ;
D. printf(“%f%Lf\n” , a , b) ;

6. What will be the output of the following program ?

```
#include<stdio.h>
int main ( )
{
    int k=1 ;
    printf( "%d == 1 is" "%s\n" , k, k== 1 ? "TRUE" : "FALSE" );
    return 0 ;
}
```

7. To scan a and b given below which scanf() statement will you use?

```
float a ;
double b ;
A. scanf( "%f%f" , &a, &b ) ;
B. scanf( "%Lf%Lf" , &a , &b ) ;
C. scanf( "%f%Lf" , &a, &b ) ;
D. scanf( "%f%lf" , &a , &b ) ;
```

8. What will be the output of the program given below?

```
#include<stdio.h>
char *str = "char *str = %c%s%c ; main ( ) { printf( str, 34, str, 34 ) ; }";
int main ( )
{
    printf( str, 34, str, 34 ) ;
    return 0 ;
}
```

9. Point out the error, if any, in the following program.

```
#include<stdio.h>
int main ( )
{
    char ch ;
    int i;
    scanf( "%c", &i ) ;
    scanf( "%d" , &ch ) ;
    printf( "%c %d\n", ch, i ) ;
    return 0 ;
}
```

10. Which of the following is the correct output for the program given below?

```
#include<stdio.h>
int main ( )
{
    printf( "%c\n", ~ ( 'c' * -1 ) ) ;
    return 0 ;
}
```

A. A B. B C. C D. D

11. What will be the output of the following program?

```
#include<stdio.h>
int main ( )
{
    char *p ;
    p = "%d\n" ;
    p++ ;
    p++ ;
    printf ( p-2 , 23 ) ;
    return 0 ;
}
```

12. What will be the output of the following program?

```
#include<stdio.h>
int main( )
{
    printf( "%%%\n" ) ;
    return 0 ;
}
```

13. Will the following code work? [Yes/No] if yes, what will be the output?

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

14. What is the * in the printf() in above question indicative of?

15. Can we specify variable field width in a scanf() format string? [Yes/No]

16. Out of fgets() and gets() which function is safe to use?

17. A file written in text mode can be read back in binary mode.[True/False]

18. How will you use the following program to copy contents of one file to another?

```
/*mycopy.c */
#include<stdio.h>
int main ( )
{
    char ch, str[ 10 ] ;
    while ( ( ch =getc ( stdin ) ) != 1 )
        putc ( ch, stdout ) ;
    return 0 ;
}
```

- A. The code copies the contents of one file to another.
- B. The code writes strings that are read from the keyboard into a file.
- C. The code reads a file.
- D. None of above.

19. What will be the output of the following program

```
#include<stdio.h>
#define MSSG "Hello World\n"
int main(void)
{
    printf(MSSG);
    return 0;
}
```

20. What will be the output of the following program

```
#include<stdio.h>
int main(void)
{
    printf("Indian\b \n");
    printf("New\rDelhi\n");
    return 0;
}
```

21. What will be the output of the following program

```
#include<stdio.h>
int main(void)
{
    int a=11;
    printf("a=%d\t",a);
    printf("a=%o\t",a);
    printf("a=%x\t",a);
    printf("a=%X\n",a);
    return 0;
}
```

22. What will be the output of the following program

```
#include<stdio.h>
#include<limits.h>
int main(void)
{
    int a=4000000000;
    unsigned int b=4000000000;
    printf("a=%d, b=%u\n",a,b);
    printf("%d, %u\n",INT_MAX,UINT_MAX);
    return 0;
}
```

23. What will be the output of the following program

```
#include<stdio.h>
int main(void)
{
    char ch;
    printf("Enter a character : ");
    scanf("%c",&ch);
    printf("%d\n",ch);
}
```

```
        return 0;
    }
```

24. What will be the output of the following program

```
#include<stdio.h>
int main(void)
{
    float b=123.1265;
    printf("%f\t",b);
    printf("%.2f\t",b);
    printf("%.3f\n",b);
    return 0;
}
```

25. What will be the output of the following program

```
#include<stdio.h>
int main(void)
{
    int a=625,b=2394,c=12345;
    printf("%5d,%5d,%5d\n",a,b,c);
    printf("%3d,%4d,%5d\n",a,b,c);
    return 0;
}
```

26. What will be the output of the following program

```
#include<stdio.h>
int main(void)
{
    int a=98;
    char ch='c';
    printf("%c,%d\n",a,ch);
    return 0;
}
```

27. What will be the output of the following program

```
#include<stdio.h>
int main(void)
{
    float a1,b1,a2,b2,a3,b3;
    a1=2;
    b1=6.8;
    a2=4.2;
    b2=3.57;
    a3=9.82;
    b3=85.673;
    printf("%3.1f,%4.2f\n",a1,b1);
    printf("%5.1f,%6.2f\n",a2,b2);
    printf("%7.1f,%8.2f\n",a3,b3);
    return 0;
}
```

28. What will be the output of the following program

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

```
int main(void)
```

```
{
```

```
    printf("%10s\n","India");
```

```
    printf("%4s\n","India");
```

```
    printf("%.2s\n","India");
```

```
    printf("%5.2s\n","India");
```

```
    return 0;
```

```
}
```