

Coding Jerk

1. What is output of the below program.

```
#include <stdio.h>
int main(){
    char a = 'y';
    char b = 'A';
    printf("%d",b-a);
    return 0;
}
```

ans : _____

2.What is the output of the below program.

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

    float b;
    char c;
    int a=100;
}a1;

int main(){
    //scanf("%d",&a1.a);
    int d = 10;
    printf("%d\n",a1.a-d);
    return 0;
}
```

a.90 b.100 c.compile error d.110

3.What is the output of the below program.

```
#include <stdio.h>
int main(){
    int a= 134;
    int b = 4;
    printf("%d\n",a>>b);
    return 0;
}
```

a. 10 b.7 c.12 d.8

4.How many times “hi” will be printed on screen

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

```
void print(int n)
{
    static int j = 2;
    while(j){
        printf("hi");
        j--;
    }
}
```

```
int main(){
    int i;
    for(i=0;i<5;i++)
        print(i);
}
```

```
return 0;
}
```

ans : _____

5. What is the output of below program.

```
#include <stdio.h>
void find(int *p, int *q){
    q = p;
    *p = 234;
}
int main(){
    int p=123,q=234;
    find(&p,&q);
    printf("%d %d\n",p,q);
    return 0;
}
```

ans : _____

6. Who is the world first programmer?

Ans : _____

7. What is the output of the below program

```
#include <stdio.h>
int main(){
    int a = 1001;
    int b = 1000;
    printf("%d %d %d %d",1000==a,1001<=a,b>a,b==1010);
return 0;
}
```

ans:_____

8.output of the following code

```
#include <stdio.h>
#include <string.h>
int main(){
    int a[]={1,2,3,4,5};
    memset(a,-1,sizeof(a));
    printf("%d\n",a[sizeof(a[0])]);
return 0;
```

ans: _____

9. What is the full form GCC : _____

10. What is

Best case – Insertion sort

Worst case - Binary search

Worst case – Selection sort

a. $O(n)$, $O(1)$, $O(n^2)$ b. $O(n)$, $O(n \log n)$, $O(n)$; c. $O(n)$, $O(n)$, $O(n^2)$ $O(n)$, $O(n)$, $O(n)$;

11. What is the output of following program

```
#include <stdio.h>
#include <string.h>
int main(){
    int *p=NULL;
    printf("%d\n",*p);
```

```
    return 0;
}
```

ans : _____

12. What is the output of the below program.

```
#include <stdio.h>
#include <string.h>
int rec(int n)
{
    if(n==2)
        return 0;
    return rec(n-1)+123;
}
int main(){
    int val;
    val=rec(5);
    printf("%d\n",val);

    return 0;
}
```

ans : _____

13. What is the difference b/w abs() and fabs() functions

Ans : _____

14. print Hello World without using printf() function.

Ans : _____

15. How to check the two numbers are equal or not without using any comparison operator.(What are the ways ...?)

Ans : _____

16. What is the output of the below code.

```
#include <stdio.h>
#include <string.h>
int main(){
    if(!(printf("hi"))){
        printf("hi ");
    }
    else{
        printf("bye\n");
    }
    return 0; }
```

17. What is the output of below program

```
#include <stdio.h>
#include <string.h>
int main(){
    printf("%d",(printf("Welcome to computer Science")-3)%5);
    printf("\n");
    return 0;
}
```

a . Welcome to computer Science 3 b.Welcome to computer Science 4 c.3 d.4

18.

```
#include <stdio.h>
int main(){
    int i=0;
    label : printf("%d",0);
    if(i==0)
        goto label;
    return 0;
}
```

a. 0 b. infinite 0's c. no output d.compile error

19. What is the output of the below code..

```
#include <stdio.h>
int main(){
    unsigned char I =0;
    for(i<=0;i++);
    printf("%d\n",i);
    return 0;
}
```

a. compile error b. 0 c. 1 d.no output

20. Store 0 in a variable called Value “if the number is even otherwise store 1”.
Write single line of code without using if-else statements, ternary operator, assignment operators

Ans : _____

21. How to print the address of a variable ‘a’..?

Ans: _____

22. Is C language platform independent...?

23. How to take the input the string without using scanf().

24 . Can we establish the database connectivity using C language.?

25. What is output of following program

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

Ans : _____