TEST-04

Intern Name: Max Marks: 48
Intern ID:

- Subjective answer should be brief and to the point.
- Maintain proper coding standards and indentation.
- Do not write anything on the question papers. Each question has 2 marks
- Explain each concept with example. Concept without example will not be given marks.

Note: Specify Compile time/ run time error, if any

```
1.int main()
{
        printf("%d %o %x\n",72,72,72);
}
2.int main()
{
        extern  int  i ;
        i = 20;
        printf("%d",sizeof(i));
}
3.int main()
{
        int a,b;
        a = 5.999999;b = 5.000001;
        printf("a = %d b = %d\n",a,b);
}
4.int main()
{
        float a;
        a  =  4/2;
        printf("%f%f\n",a,4/2);
}
5.int main()
{
        printf("%d\n",sizeof(4)/sizeof(2.0));
        printf("%d\n",sizeof(2.0)/sizeof(4));
}
6.int main()
{
        int arr[4]  = { 1, 2 };
        printf("%d %d \n", arr[2],arr[3]);
 }
7.int main()
{
        int  x = 10, y = 20, z = 5,i;
        i  = x < y < z;
        printf("%d\n",i);
}
8.int  main()
{
        int x = 10, y  = 20;
```

```
        if( !(!x) && x)
                printf("x = %d",x);
        else
                printf("y = %d",y);
}
9.int main()
{
        int i = 1;
        switch(i)
        {
                printf("hello");
                case 1:
                        printf("\n rit ");
                        break;
                case 2:
                        printf("\nbye");
                        break;
        }
}
10.int main()
{
        int i;
        int  x = 10, y = 100 % 90;
        for(i  = 1 ; i <= 10; i++);
        if(x != y);
                printf("x = %d y = %d", x,y);
}
11.int main()
{
        int i = 4, j = 2;
        switch(i)
        {
                case 1:
                        printf("hello world\n");
                        break;
                case j:
                        printf("bye world\n");
        }
}
12. int main()
{
        int i =1;
        switch(i)
        {
                case 1:
                        printf("hello world\n");
                        break;
                case 1 * 2 + 4:
                        printf("bye world\n");
        }
}
13.int main()
{
        float a = 0.7;
        if(0.7 > a)
                printf("hi");
        else
                printf("rit ");
}
14.int main()
{
```

```
        int n = 0,y = 1;
        y ==1 ? n = 0: n = 1;
        if(n)
                printf("yes");
        else
                printf("no");
}
15.int main()
{
        int x = 3;
        float y = 3.0;
        if(x == y)
                printf("both are equal");
        else
                printf("both are not equal");
}
16.int main()
{
        int i =10, j = 15;
        if(i %2 = j%3)
                printf("hi world\n");
        else
                printf("bye world\n");
}
17.int main()
{
        int i = 0;
        for( ;  i < 5; i++);
                printf("%d",i);
}
18.int main()
{
        static int a[20];
        int i = 0;
        a[i] = i++;
        printf("\n%d %d %d",a[0],a[1],i);
}
19.int main()
{
        int x = 4, y,z;
        y = --x;
        z = x--;
        printf("%d %d %d ", x,y,z);
}
20.int main()
{
        int i =2;
        int  j = i + (1,2,3,4,5);
        printf("%d",j);
}
21.int main()
{
        float a = 5, b = 2;
        int c;
        c = a % b;
        printf("%d\n",c);
}
22.int main()
{
        int i =1;
        for(;;)
```

```
        {
                printf("%d",i++);
                if(i >10)
                        break;
        }
}
23.int main()
{
        int i =1;
        while()
        {
                printf("%d",i++);
                if(i >10)
                        break;
        }
}
24.int main()
{
        int c = 0, d = 5, e = 10, a;
        a  = c > 1 ? d > 1 || e > 1 ? 100 : 200 : 300;
        printf("a = %d\n",a);

}
```

All the best