

Questions

1. Which of the following is a correct identifier in C++?
 - a) 7var_name
 - b) 7VARNAME
 - c) VAR_1234
 - d) \$var_name
2. Which of the following cannot be passed to a function in C++?
 - a) Constant
 - b) Structure
 - c) Array
 - d) Header file
3.

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

 - a) 0, 1, 2, 3, 4, 5
 - b) 5
 - c) 1, 2, 3, 4
 - d) 6
4.

```
main()
{
    int a = 500, b = 100, c;
    if(!a >= 400)
        b = 300;
        c = 200;
    cout<< b<< c;
}
```

 - a) b = 300 c = 200
 - b) b = 100 c = garbage
 - c) b = 300 c = garbage
 - d) b = 100 c = 200
5.

```
main()
{
    unsigned int i = 65535; /* Assume 2 byte integer*/
    while(i++ != 0)
        cout<< ++i;
    cout<< "\n";
}
```

 - a) Infinite loop
 - b) 0 1 2 ... 65535
 - c) 0 1 2 ... 32767 - 32766 -32765 -1 0
 - d) No output
6.

```
main()
{
    int x = 3;
    float y = 3.0;
```

```

if(x == y)
    cout<<"x and y are equal";
else
    cout<<"x and y are not equal";
}

```

a) x and y are equal
b) x and y are not equal
c) Unpredictable
d) No output

7. main()
{
 short int i = 0; // Size of short int is 2 bytes
 for(i<=5 && i>=-1; ++i; i>0)
 cout<<i;
}
a) 1 ... 65535
b) Expression syntax error
c) No output
d) 0, 1, 2, 3, 4, 5

8. main()
{
 int k, num = 30;
 k = (num < 10) ? 100 : 200;
 cout<<num;
}
a) 200
b) 30
c) 100
d) 500

9. main()
{
 int i=3;
 switch(i)
 {
 case 1:
 cout<<"Hello\n";
 case 2:
 cout<<"Hi\n");
 case 3:
 continue;
 default:
 cout<<"Bye\n";
 }
a) Error: Misplaced continue
b) Bye
c) No output
d) Hello Hi

10. main()
{
 int i = 1;
 switch(i)
 {
 cout<<"Hello\n";
 }

```

        case 1:
            cout<<"Hi\n";
            break;
        case 2:
            cout<<"\nBye\n";
            break;
    }
a) Hello
   Hi
b) Hello
   Bye
c) Hi
d) Bye

```

11. main()

```

{
    int x, y, z;
    x=y=z=1;
    z = ++x || ++y && ++z;
    cout<< x<< y<< z;
}
a) x=2, y=1, z=1
b) x=2, y=2, z=1
c) x=2, y=2, z=2
d) x=1, y=2, z=1

```

12. main()

```

{
    static int a[20];
    int i = 0;
    a[i] = i ;
    cout<<a[0]<<a[1]<<i;
}
a) 1, 0, 1
b) 1, 1, 1
c) 0, 0, 0
d) 0, 1, 0

```

13. main()

```

{
    char j=1;
    while(j < 5)
    {
        Cout<< j;
        j = j+1;
    }
    cout<<"\n";
}
a) 1 2 3 ... 127
b) 1 2 3 ... 255
c) 1 2 3 ... 127 128 0 1 2 3 ... infinite times
d) 1, 2, 3, 4
e)

```

14. main()

```

{
    int a = 5, b = 6, c, d;
    c = a, b;
}

```

```
d = (a, b);  
cout << c << ' ' << d;
```

- }
- a) 5 6
- b) 6 5
- c) 6 7
- d) none of the above

15. main()

```
{  
    int i, j;  
    j = 10;  
    i = (j++, j + 100, 999 + j);  
    cout << i;  
}
```

- a) 1000
- b) 11
- c) 1010
- d) 1001