

C Programming Sample Question Paper

Multiple Choice (Only ONE choice is the RIGHT answer for each question below)

1. Choose the correct answer

```
void main(argc,argv)
{
    int argc;
    char* argv;
    printf("Hello");
}
```

1. There are no errors
2. Main cannot have parameters
3. Declaration of parameters should be before curly braces
4. None of the above

2. Will this program compile?

```
main(){printf("Hello World");};;
```

1. Yes
2. No

3. What is the output of the following program

```
main()
{
    int a[5];
    a[-2] = 10;
    a[2] = 1;
    printf("%d", -2[a]);
}
```

1. God knows
2. Compilation error
3. 10
4. -1

4. What is the output of the following program

```
main()
{
    int i=10;
    printf("%d..." , ++i++ );
    printf("%d", ++i);
}
```

1. 11 ... 13
2. 12 ... 13
3. Error

4. None of the above

5. What is the output of the following program

```
main()
{
    int i=10,a;
    a = i++ / ++i;
    printf("%d ... %d", a, i);
}
```

1. 1...12
2. 10 ... 10
3. Error
4. God knows

6. What is the output of the following program

```
main()
{
    union bbb{
        struct {
            int a : 1;
            int b : 1;
            int c : 1;
            int d : 1;
            int e : 1;
            int f : 1;
            int g : 1;
            int h : 1;

        } aaa;
        char x;
    };
    union bbb pqr;

    pqr.aaa.a = pqr.aaa.b = pqr.aaa.c = pqr.aaa.d = 1;
    pqr.aaa.e = pqr.aaa.f = pqr.aaa.g = pqr.aaa.h = 1;

    printf("%d", pqr.x);
}
```

1. 1
2. -1
3. 0
4. Compilation error

7. What is the output of the following program

```
main()
{
    int i;
    i = 010;
    printf("%d", i);
}
```

1. 010
2. 10

3. 8
4. 16

8. What is the output of the following program

```
main()
{
    float i;
    i = 1+(float)5/(int) 2.0;
    printf("%f", i);
}
```

1. 3
2. 3.00000
3. 3.500000
4. None of the above

9. What is the output of the following program

```
main()
{
    int i;
    i = abc();
    printf("%d...", i);
    i = abc();
    printf("%d", i);
}
```

```
abc()
{
    return 10;
    return 100;
}
```

1. 10
2. 10 10
3. 10...10
4. None of the above

10. What is the output of the following program

```
main()
{
    int i;
    i = abc();
    printf("%d ",i);
    i = abc();
    printf("%d", i);
}
static int abc()
{
    int i=1;
    return i++;
}
```

1. 1 2
2. 1 1
3. 0 1
4. None of the above

11. What is the output of the following program

```
main()
{
    int a[5];
    3[a] = 10;
    printf("%d", *(a+3));
}
1. Compilation Error
2. Runtime Error
3. 10
4. None of the above
```

12. What is the output of the following program (when run under turbo C)

```
main()
{
    char *p = "aygm";
    char c;
    c = ++*p++;
    printf("%c",c);
}
1. agym
2. bygm
3. b
4. gmay
```

13. What is the output of the following program (when run under turbo C)

```
main()
{
    char *p = "ABCDEF";
    printf("%d", -++*p);
}
1. Comilation error
2. B
3. 66
4. -66
```

14. What is the output of the following program

```
main()
{
    int i=5;
    printf("%d", i = ++i == 6);
}
1. 6
2. 1
3. Compliation Error
4. 7
```

15. What is the output of the following program

```
#define aaa(a,c) a='A'-c
main()
{
    int a;
    printf("%d", aaa(a,60));
}
```

1. Error
2. 5
3. 10
4. 0

16. What is output of thje following

```
void main(void)
{
    int i;
    for(i=0;i++;i<100)
    printf("%d", i);
}
```

1. 0
2. 1
3. Compile time error
4. No output

17. What is output of the following

```
#define a 10
void main(void)
{
    #define a 10
    printf("%d");
}
```

1. 100
2. some random number
3. 2367460
4. 0

18. What is output of the following

```
void clrscr();
int i=10;
void main(void)
{
    clrscr();
}
void clrscr()
{
    printf("%d",i);
}
```

1. no output is displayed
2. compilation error: cannot use the keyword 'clrscr' as a function name
3. displays 10.
4. None of the above