

**Question - 1**  
**MCQ\_1Mark\_1****SCORE: 1 points**

Find the output of given code:

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

```
int main()
{
    int i = 5;
    int l = i / -4;
    int k = i % -4;
    printf("%d %d\n", l, k);
    return 0;
}
```

- ☒ -1 1
- ☐ 1 1
- ☐ -1 -1
- ☐ 1 -1

**Question - 2**  
**MCQ\_1Mark\_2****SCORE: 1 points**

Predict the Output:

```
#include <stdio.h>
int main()
{
    int a,b=10,c=10;
    a=b==c;
    printf("%d",a);
    return 0;
}
```

- ☐ 0
- ☒ 1
- ☐ 10
- ☐ Compiler Error

**Question - 3**  
**MCQ\_1Mark\_3****SCORE: 1 points**

Which of the following is not a valid variable name declaration?

- ☐ int a\_23;
- ☐ int a\_2\_3;
- ☒ int 2\_a\_3;
- ☐ int a321;

**Question - 4**  
**MCQ\_1Mark\_4**

**SCORE: 1 points**

Which among the following is NOT a logical or relational operator?

- ☐ !=
- ☐ ==
- ☐ ||
- ☒ =

**Question - 5**  
**MCQ\_2Mark\_1**

**SCORE: 1 points**

What is the output of the given code

```
#include <stdio.h>
int main()
{
    int a=6;
    int b=a+(1,3,5,7,11);
    printf("%d\n",b);
    return 0;
}
```

- ☐ 6
- ☐ 7
- ☒ 17
- ☐ Error in this code

**Question - 6**  
**MCQ\_2Mark\_2**

**SCORE: 1 points**

Find the output of following code:

```
#include<stdio.h>
int main()
{
    int a=77,b=29;
    double c,d;
    c=a/b;
    d=(float)a/b;
    printf("Value in c=%f\t",c);
    printf("Value in d=%f",d);
    return 0;
}
```

- ☐ Value in c=2.655172 Value in d=2.655172
- ☐ Value in c=2.000000 Value in d=2.000000
- ☒ Value in c=2.000000 Value in d=2.655172
- ☐ Value in c=2 Value in d=2.655172

### Question - 7 MCQ\_2Mark\_3

SCORE: 1 points

Find the output of given code:

```
#include<stdio.h>
int main()
{
    int i = 5;
    int l = i / -4;
    int k = i % -4;
    printf("%d %d\n", l, k);
    return 0;
}
```

- ☒ -1 1
- ☐ 1 1
- ☐ -1 -1
- ☐ 1 -1

### Question - 8 Conditional Statements

SCORE: 10 points

Write a program to calculate tax, given the following conditions:

if income is less than 150000 then no tax  
 if taxable income is in the range 150001-300000 then charge 10% tax  
 if taxable income is in the range 300001-500000 then charge 20% tax  
 if taxable income is above 500001 then charge 30% tax

Sample Input:

900000 //Income entered by user

Sample Output:

74999.700000 //Tax after calculation

Sample Input:

10000

Sample Output:

0.000000

// 0 tax because Income <150000