Class: FE (All
Branches)

1 Marks Questions

A   Which of the following is correct identifier?
a) float
b) @M1
c) abc_123
d) M@1

B   What will be the output of the following C code?

```
#include<stdio.h>
int main()
{
    int b = 6;
    int c = 7;
    int a = ++b + c--;
    printf("%d", a);
    return 0;
}
```

a) Run time error
b) 15
c) 13
d) 14

C   Which is correct with respect to the size of the data types?
a) char > int > float
b) int > char > float
c) char < int < double
d) double > char > int

D   What will be the output of the following C code?

```
#include <stdio.h>
int main()
{
    int x = 0;
    if (x == 0)
        printf("hi");
    else
        printf("how are u");
        printf("hello");
    return 0;
}
```

a) hi
b) how are you
c) hello
d) hihello

E   What will be output of following code:

```c
#include<stdio.h>
int main()
{
    int x = 10;
    x<<3;
    printf("%d",x);
    return 0;
}
```

a) 80
b) 10
c) 0
d) Compilation error

F   The format identifier '%d' is also used for_____data type.

a) char
b) int
c) float
d) double

G   Which of the following is ternary operator in C?

a) Arithmetic Operator
b) Logical Operator
c) Relational Operator
d) Conditional Operator

H   What is the range of signed integer?

a) -32768 to 32767
b) 0 to 65535
c) -32767 to 32767
d) -32769 to 32768

I   X=9;

C=12;

C=++x;

What is the value of c?

a) 12
b) 10
c) 9
d) 11

J   Which of the following is not conditional statement?

a) if
b) if-else
c) for
d) switch case

K   Which of the following operator is not unary operator?

a) ++
b) —
c) =
d) ~

L   Which out of the following syntax is correct for accepting integer value for variable x from user?
a) scanf(%d,&x);
b) scanf("%d",x);
c) scanf("%d",&x);
d) scanf(%d,"&x");

M   Who developed C?
a) Alan Turing
b) Dennis Richie
c) Bjarne Stroustrup
d) James Gosling

N   From which part of the program the execution of C program starts?
a)main()
b)#include<stdio.h>
c)#include<conio.h>
d)return 0

Questions of 5 Marks

A   Write a program in C to accept the year and check whether it is leap year or not
B   Explain relational and logical operators
C   Write a program in C to accept principal amount, number of years and rate of interest from user and calculate simple interest and compound interest
D   Explain any 4 math handling functions with example
E   Explain any 5 bitwise operators with example
F   Write a program in C to find largest of two numbers using conditional operator
G   Write a program to accept a 3-digit number and find sum of digits as well as to find reverse of a number
H   Evaluate the following
x=10;
z=y=x;
y+=x—;
z+=--x;
x+=x+++--x;
printf("%d %d %d",x,y,z);