## Assignment:II

**Course:** B.Tech (CSE) **Year/Semester:** I/I **Session:** 2017-2018

**Subject Name & Code:** Fundamentals of Computer & Programming (CSE 1101)

**Submission Date:**

**1. What will be the output of following programs?**

1. #include<stdio.h>

void main()

{

int y=10;

if(y++>9 && y++!=10 && y++>11)

printf("%d", y);

else

printf("%d", y);

}

1. #include<stdio.h>

void main()

{

int y=10;

if(y++>9 && y++!=11 && y++>11)

printf("%d", y);

else

printf("%d", y);

}

1. #include<stdio.h>

void main()

{

int a, b=7;

a = b<4 ? b<<1 : ++b>4 ? 7>>1 : a;

printf("%d %d", a, b);

}

#include<stdio.h>

void main()

{

int a=10, b=11, c=13, d;

d = (a=c, b+=a, c=a+b+c);

printf("%d %d %d %d", d, a, b, c);

}

1. void main()

{

int w=10, x=5, y=3, z=3;

if( (w<x) && (y=z++) )

printf("%d %d %d %d", w, x, y, z);

else

printf("%d %d %d %d", w, x, y, z);

}

1. How many times "Programming" is get printed?

#include<stdio.h>

int main()

{

int x;

for(x=-1; x<=10; x++)

{

if(x < 5)

continue;

else

break;

printf("Programming");

}

return 0;

}

1. #include<stdio.h>

void main(){

      int movie=1;

      switch(movie<<2+movie){

        default:printf("3 Idiots");

         case 4: printf(" Ghajini");

        case 5: printf(" Krrish");

        case 8: printf(" Race");

      }

}

1. #include<stdio.h>

void main()

{

int i = -10;

for(;i;printf("%d ", i++));

}

**2.** Write the difference between with an example -

(a) implicit and explicit conversion

(b) while and do while loop

(c) break and continue

(d) for and while

(e) L value and R Value

(f) Associativity and precedence

**3.** Represent (-256.625)10 in IEEE single precision and double precision both.

**4.** Write a program to print all prime numbers from 1 to 100.

**5.** Write a program to print the sum of following series-

1+1/1!+2/2!+3/3!+……..upto n terms.

**6.** Write a [C Program to Check whether a given Number is Perfect Number](http://www.sanfoundry.com/c-program-perfect-number/) or not.

**7.** Write a C Program to convert days to years, weeks and days. For example 375 days is equal to

**1 y**ear 1 week and 3 days (ignore leap year)

**8.** Write a program to Print Square, Cube and Square Root of numbers from 20 to 50.

**9.** Write a program for counting number of 1’s in binary representation of an integer number

using bitwise operator.

**10**. Write a program to calculate the parking charges of a vehicle. Enter the type of vehicle as a

character(like c for car, b for bus, etc.) and number of hours then calculate the parking

charge given below-

Truck/Bus- Rs. 20 per hour

Car- 10 Rs. per hour

Scooter/Cycle/Motorcycle- Rs 5 per hour

**11**. Write a program to count number of digits in a number.

12 Write a program to check given number is Robinson or not.

13: Write a program to check given number is prime or not.

14: Write a program to check number is Armstrong or not.

15. Make a table of associativity and precedence of operators.