**Assignment No 1.**

**(C Basic)**

**Note : solve and upload the answers in LMS/Moodle (within 2 days)**

 Q1.WACP to which takes p,t,r as input and compute the simple interest and display the result.

Q2.What is the value of x in the following code segments? Justify your answers.

int a,b; float x;

a=4; b=5; x=b/a; x = (float) b/a;

Q3.WACP to find diameter, area and perimeter of a circle.

Q4.WACP to find area and perimeter of a rectangle.

Q5.WACP to find sum and average of three given numbers.

Q6.WACP to convert temperature in Celsius into temperature in Fahrenheit.

Q7.Write a C program that computes the size of int, float, double and char variables.

Q8.Evaluate the following expression Assume, int i = 10, b=20,c=5,e=2; float q =2.5, d=4.5;

i) a/b + (a/(2\*b))

ii) f = ++a + b-- / q find value of f, a, and b

ii) G = b%a++; find value of G and a

iv) H = b%++a; find value of H and a

v) a+2 < b || !c && a==d || a-2 <=e

**Q9. Write the output of following code**

#include <stdio.h>

int main()

{    int i = 1, 2, 3;

        printf("%d", i);

        return 0;

}

(A) 1

(B) 3  
(C) Garbage value  
(D) Compile time error  
  
10. **Write the output of following code**

|  |
| --- |
| #include <stdio.h>  int foo(int\* a, int\* b)  {     int sum = \*a + \*b;      \*b = \*a;      return \*a = sum - \*b;  }  int main()  {     int i = 0, j = 1, k = 2, l;      l = i++ || foo(&j, &k);      printf("%d %d %d %d", i, j, k, l);      return 0;  } |

**(A)** 1 2 1 1  
**(B)** 1 1 2 1  
**(C)** 1 2 2 1  
**(D)** 1 2 2 2