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72_B

Daffodil International University

Department of Computer Science and Engineering

Class Test - 1

Course: CSE 113 Programming and Problem Solving

Course Teachers: Dr. S.R.H. Noori

Name:	ID:	Section:	Marks: 15	Time: 20 min

1. Which one is invalid variable name? 1

   (a) name (b) this_is_a_variable_name

   (c) 1variable (d) sum1

2. if *a=5, b=10, c= -3* than what will be the value of this expression: *a + (b /(++c))* 1

   (a) 1 (b) 7

   (c) 10 (d) 0

3. Which one is keyword in C? 1

   (a) C (b) printf

   (c) number (d) if

4. If *a* and *b* are integer type variables and *a=25, b=2* then what will be the output of *a/b* 1

   (a) 12.0

   (b) 12

   (c) 12.5

   (d) 12.50

5. What is the size of an *int* data type? 1

   a) 4 Bytes

   b) 8 Bytes

   c) Depends on the system/compiler

   d) Cannot be determined

6. Convert the following the statements as a C expression 1

   1. *A number is evenly divided by 4 or 400 but not with 100*

      Answer:

   2. *A persons height is 5.4 to 6.4 feet but not 6 feet*

      Answer:

7. What will be output of the following program? 3

```
void main(){
    int a=5, b=5, c=4;
    c += a==b;
    printf("A=%d  B=%d  C=%d", a, b, c);
}
```

Output:

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8. What is the output of this program? 3

```
void main(){
    int x=4, y=3, z=2;
    y = ++x +1;
    z = 1 - x-- ;
    printf ("X=%d  Y=%d  Z=%d", x, y, z);
}
```

Output:

9. Write a C program that will calculate the *simple interest*. The formula to calculate the simple interest is:
*simple_interest = (p * t * r) / 100*
Where ***p*** is principal amount, ***t*** is time and ***r*** is rate of interest. The program will read the values of principal amount, time and interest rate from the user and calculate the simple interest. 3

Answer: