

72_B

Daffodil International University

Department of Computer Science and Engineering

Class Test - 1

Course: CSE113 Programming and Problem Solving

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

Name:	ID:	Section:	Marks: 15	Time: 20 min
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1. Which one is invalid variable name? 1
- (a) name (b) this_is_a_variable_name
(c) 1variable (d) sum1

2. if $a=5$, $b=10$, $c=-3$ then 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:

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:
$$\text{simple_interest} = (p * t * r) / 100$$

Where p is principal amount, t is time and r is rate of interest. The program will read the values of 3
principal amount, time and interest rate from the user and calculate the simple interest.

Answer: