CS2050 –C Programming Quiz 7 Spring 2017  
DO NOT PUT YOUR ANSWERS ON THIS SHEET – RECORD THEM ON THE ANSWER SHEET ONLY.

1. After this line of code executes what will be the value of “result”? int result = 3 % 10;

2. After this line of code executes what will be the value of “result”?

int result = 21 + 5 \* 2 \* 3 / 3 – 6 + 12 / 2;

3. What will be the value of “sumtotal” when this code is executed?  
 int n1 = 4, n2 = 6, n3 = 2, sumtotal = 5;

if (n1 ! = 4)

sumtotal += n3;

else if (n3 <= 5)

sumtotal = n2++;

else sumtotal -= n1;

4. What is the final value of “y” after this for loop is finished? for (y = 3; y<13; y+=2)

5. What will the following C code print out?

int x = 4, y = 6;

if (x > 5)

if (y > 5)

printf(“x and y are > 5”);

else

printf(“x is <=5”);  
 a) nothing will be printed

b) “x and y are > 5”

c) “x is <=5”

6. In which of the following is “y” not equal to 5 after execution? X is equal to 6.

a) y = x--; b) y = --x; c) y = x = 5; d) y = 5;

Examine the following code and answer questions 7 below. IGNORE COMPILE ERRORS.  
 int j = 0;  
 for (j = 0; j <= 9; j++)  
 { printf( “%d”, 1 + ( rand() % 6 )); }  
7. What are the **POSSIBLE** range of numbers that will be printed by the “printf()” statement above?

8. Examine the following code. What will be the output from the “printf()” statement below?

#define S\_SIZE 12

char s[10] = { ‘i’,’l’,’u’,’v’,’c’,’h’,’o’,’c’,’o’,’l’,’a’,’t’ };

int j = 0;

for (j = S\_SIZE -4; j > 5; j--) { printf( “%c”, s[j]); }

Using the definitions below (IGNORE ALL COMPILE ERRORS):  
 char s1 [ 50 ] = “STEVE”, s2 [ 50 ]=”SUSAN”;  
9. What will this line of code print out >>> printf(“%c%s”, tolower( s1[ 1 ] ), &s2[ 1 ] );   
 a) SUSAN b) uTEVE c) tUSAN d) none of the above  
  
10. What will this line of code print out >>> printf(“%c%s”, toupper( s2[ 1 ] ), &s1[ 1 ] );  
 a) UTEVE b) USAN c) TUSAN d) none of the above

CS2050 – C Programming Quiz 7 NAME \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Spring 2017 LAB SECTION \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ANSWERS

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2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_

6. \_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. \_\_\_\_\_\_\_\_\_\_\_\_\_\_

8. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9. \_\_\_\_\_\_\_\_\_\_\_\_\_\_

10. \_\_\_\_\_\_\_\_\_\_\_\_\_\_