#1   -15 % 4 is _____

(a)   0
(b)   -4
(c)   -2
(d)   -1
(e)   -3

#2   The order of the precedence (from high to low) of the binary operators +, *, &&, ||, ^ is:

(a)   ^, ||, &&, *, +
(b)   *, +, &&, ||, ^
(c)   &&, ||, ^, *, +
(d)   *, +, ^, ||, &&
(e)   *, +, ^, &&, ||

#3   What is "Welcome" + 1 + 1*2?

(a)   Welcome11*2
(b)   Welcome12
(c)   Welcome3
(d)   Welcome4

#4   "abcdefgh".subString(1, 3) returns _____.

(a)   cde
(b)   bc
(c)   abc
(d)   bcd

#5   Which of the loop statements always have their body executed at least once.

(a)   The post loop
(b)   The do-while loop
(c)   The while loop
(d)   The for loop

Enter the letter(s) of each answer below. You may choose multiple answers, but credit will be divided by the number of choices made.

1 **E**   2 **E**   3 **B**   4 **B**   5 **B**   6 **C**   7 **D**   8 **C**   9 **B**   10 **A**

#6   Which of the following expression yields an integer between 0 and 100, inclusive?

(a)   (int)(Math.random() * 100 + 1)
(b)   (int)(Math.random() * 100) + 1
(c)   (int)(Math.random() * 101)
(d)   (int)(Math.random() * 100)

#7   What will the value of i be after the following code runs: for(int i=0; i<5; i+=4);

(a)   8
(b)   4
(c)   5
(d)   the loop variable i will be out of scope.
(e)   6

#8   Which portion of a for() declaration is optional?

(a)   the first and second
(b)   the second and third
(c)   they are all optional
(d)   the first only
(e)   the first and third

#9   Why should floating point variable types be avoided for controlling loops?

(a)   Because loop control variables are inherently integral in nature.
(b)   Because of the inevitable inaccuracy associated with these data types.
(c)   Because a loop can only execute an integer number of times.
(d)   Because floating point operations in a loop causes significant performance loss.

#10   Do not answer this question -- it is for grading purposes only.

(a)   Turned in the quiz.
(b)   Entered UserID incorrectly or illegibly.
(c)   Entered Name illegibly.
(d)   Did not enter answers legibly in spaces provided.
(e)   Did not leave the answer space for this question blank.