R-Programming -MCQ5

1.Which code block will result in the variable FINAL holding a value of TRUE?

a.a <- FALSE

  b <- TRUE

  FINAL <- a && b

b.a <- TRUE

  b <- TRUE

  FINAL <- a && b

c.a <- FALSE

  b <- FALSE

  FINAL <- a && b

d.a <- TRUE

  b <- FALSE

  FINAL <- a && b

2.In the following code block, what is the final value for the variable var2?

var1 = 1

var2 = 1

for(x in 1:5) {

var1 <- x*var1

var2 <-var2+x

}

a.1

b.5

c.120

d.16

3.Which logical operation returns FALSE?

a.xor(TRUE, TRUE)

b.TRUE | FALSE

c.xor(FALSE, TRUE)

d.TRUE & TRUE

4.Suppose you created an array, as shown in the code block below. Which additional line of code will convert testArray into a vector?

testArray <- array(c(1:50), dim = c(5,5,2))

a.testVector = c(array)

b.testVector = c(testArray)

c.testVector = str(testArray)

d.testVector = str(array)

5.In the following code block, how many times will the flow control repeat loop?

```
x<-1
repeat {
print(x)
 x <- x + 1
 if(x > 5)break;}
```

a.It will loop indefinitely.

b.It will loop five times.

c.It will loop one time.

d.It will loop 10 times.

6.

Which while loop will have the output shown below?

[1] 1

[1] 2

```
 a. x <- 1
   while (x < 3) {
   print(x)
    x <- x + 1 }
```

```
 b.x <- 1
   while (x < 3) {
   print(x)
   }
```

```
 c.while (x < 3) {
   print(x)
    x <- x + 1 }
```

 d.None

7.The unlist() command in R will convert the elements of a list into which data type?

a.logical

b.integer

c.numerical

d.characters

8. In which statement terminates the loop statement and transfers execution to the statement immediately following the loop?

A. goto

B. switch

C. break

D. label

9.Which of the following character skip during execution?

```
v <- LETTERS[1:6]

for ( i in v) {


  if (i == ""D"") {

    next

  }

  print(i)

}
```

A. A

B. B

C. C

D. D

10.What will be output for the following code?

```
v <- LETTERS[""A""]

for ( i in v) {

  print(v)

}
```

A. A

B. NAN

C. NA

D. Error