CSC207 – Quiz 1 Questions (Thursday 15 June 2017) V1

The following questions concern the accompanying code that can be found on a separate page. To answer each question, consider the main method that results from copying into it any of these lines of code separately (in other words, not at the same time).

1. In the given main method, the Network constructor is called how many times?
   (a) 0
   (b) 1
   (c) 2
   (d) 3

2. In the given main method, the LocalAreaNetwork constructor is called how many times?
   (a) 0
   (b) 1
   (c) 2
   (d) 3

3. What does System.out.println(n3.location); print?
   (a) null
   (b) UTM
   (c) UTSC
   (d) nothing because this line will not execute

4. What does System.out.println(n2.location); print?
   (a) null
   (b) UTM
   (c) UTSC
   (d) nothing because this line will not execute

5. What does System.out.println(n1.numNodes); print?
   (a) null
   (b) 0
   (c) 200
   (d) 300
   (e) 400

6. What does System.out.println(n2.numNodes); print?
   (a) null
   (b) 0
   (c) 200
   (d) 300
   (e) 400
7. What does `System.out.println(n3.numNodes);` print?

(a) null
(b) 0
(c) 200
(d) 300
(e) 400

8. What does `System.out.println(n1);` print?

(a) L is for LAN
(b) N is for Network
(c) 200 I am a LAN null
(d) 200 I am a Network N
(e) none of the above

9. What does `System.out.println(n2);` print?

(a) L is for LAN
(b) N is for Network
(c) 300 I am a Network N
(d) 0 I am a LANLUTM
(e) none of the above

10. What does `System.out.println(n3);` print?

(a) L is for LAN
(b) N is for Network
(c) 400 I am a Network N
(d) 0 I am a LANLUTSC
(e) none of the above

11. What does `System.out.println(n1.printNumNodes());` print?

(a) The number of nodes in the network is 200
(b) The number of nodes in the network is 300
(c) The number of nodes in the network is 400
(d) The number of nodes in the network is 0
(e) nothing because this line will not run

12. What does `System.out.println(n3.printNumNodes());` print?

(a) The number of nodes in the network is 200
(b) The number of nodes in the network is 300
(c) The number of nodes in the network is 400
(d) The number of nodes in the network is 0
(e) nothing because this line will not run
13. What does n1.equals(n2); return?
   (a) true
   (b) false
   (c) nothing because it will not run

14. What does n2.equals(n3); return?
   (a) true
   (b) false
   (c) nothing because it will not run

15. What does n3.equals(n2); return?
   (a) true
   (b) false
   (c) nothing because it will not run

In questions 16 and 17, two objects o1 and o2 are the same if o1.equals(o2) returns true.

16. Can two instances of LocalAreaNetwork be the same if they are in different locations?
   (a) yes
   (b) no

17. Is it possible to create two instance of Network (not LocalAreaNetwork) that are different?
   (a) yes
   (b) no

18. What is the value of z == q?
   (a) true
   (b) false
   (c) nothing because the expression is not defined

19. What does z.equals(q); return?
   (a) true
   (b) false
   (c) nothing because the expression is not defined

20. What does q.equals(z); return?
   (a) true
   (b) false
   (c) nothing because the expression is not defined.