Java Performance Pre Test

1. Which of the following heap tuning parameters sets the maximum size of heaps in bytes?
   1. -Xms
   2. -Xmx
   3. -XX:NewSize
   4. –Xmq
2. Which of the following heap space is used for storing class structure and related details?
   1. New
   2. Perm
   3. Young
   4. Survivor
3. Which of the following type objects is cleared last by the garbage collector?
   1. Phantom Reference
   2. Weak Reference
   3. Soft Reference
   4. Hard Reference
4. A space that stores instances or objects, and is a target of garbage collection
   1. Method Area
   2. Heap
   3. JVM Stack
   4. PC Register
5. The client VM and the server VM use an identical runtime; however, they use different JIT compilers
   1. True
   2. False
6. Which of the following are true
   1. The JVM starts by finding objects that are no longer in use (garbage objects)
   2. Then frees memory occupied by these objects making the memory available
   3. Compacts the memory to prevent fragmentation
   4. All of the above
7. The different types of Java Profilers available are (select all that apply)
   1. Sampling-based Profilers
   2. Instrumented Profilers
   3. Native Profilers
   4. Heap Profilers
   5. Stack Profilers
8. In most circumstances, code should use a PreparedStatement rather than a Statement for its JDBC calls
   1. True
   2. False
9. When serving static resources, it is much more efficient to send several smaller files rather than one larger file
   1. True
   2. False
10. For best performance in a Java EE Application server do the following (Select all that apply)
    1. use dynamic JSP compilation
    2. Produce less output with less white space
    3. Compress the output
    4. Store as much data as possible in http session state