ECET 3810 – Practice Problem Set 4

1. Which of the following is not a valid layout manager?
   a. BorderLayout
   b. FlowLayout
   c. GridBagLayout
   d. No layout
   e. CanvasLayout
   f. None of the above

2. Briefly describe (one or two sentences) one advantage of using an inner-class.

   An inner-class can share the same resources, such as global variables, as its outer-class.

3. A thread created within a program creates:
   a. a separate runnable object
   b. a separate execution path
   c. a new task for the microprocessor
   d. a better performing program
   e. all of the above

4. Name the two pieces of data are required to describe a socket:
   i) Port number
   ii) IP address

5. A client server application can be written in Java using which two classes?
   a. Socket and ClientSocket
   b. Browser and ServerSocket
   c. ClientSocket and ServerSocket
   d. Socket and ServerSocket
   e. None of the above
6. The hexadecimal value 0050 was captured from the source computer using a network analyzer. What service was being requested by the source computer?
   a. Telnet
   b. Web server
   c. Database server
   d. SSH
   e. All of the above

7. Write the line of code required to set the layout of a GUI’s content pane to a 5 by 4 grid.

   ```java
   getContentPane().setLayout(new GridLayout(5,4));
   ```