Assignment 1

This is due date for submitting the assignment has passed. As per our records you have not submitted this assignment.

1. A distributed system is a system whose components are located on different computers on a network, which communicate and coordinate their actions primarily by passing messages. What are the components of a distributed system?
   
   a. Resources Sharing
   b. Communication Network
   c. Hardware-Restriction
   d. All of the above
   
   No, the answer is incorrect.
   
   Accepted Answer: d. All of the above

2. Which one of the following is False?
   a. A monotone kernel has direct communication with all the modules.
   b. A microkernel is faster than an monoton kernel.
   c. Microkernel is faster than a microkernel.
   d. A microkernel is more reliable compared to a monoton kernel.

   No, the answer is incorrect.
   
   Accepted Answer: a. A monotone kernel has direct communication with all the modules.

3. To extend the 32-bit address range, we use the two memory registers of the PA11 as Memory mapped I/O.
   
   True
   
   No, the answer is incorrect.
   
   Accepted Answer: False

4. Match the following

   \[
   \begin{align*}
   1. & \text{Intrusion detection} & \text{a. Haplog set} \\
   2. & \text{Global and Page Table} & \text{b. Mailboxes} \\
   3. & \text{Function call mechanism} & \text{c. Data section} \\
   4. & \text{Dynamic allocation} & \text{d. Task section} \\
   \end{align*}
   \]

   \[1, b, 3, d, 4, a, c, 2, e, 5, 4, b, 1, c, 2, 3, 4, 5, e, 3, 1, 2, 4, 3, 5, a, c, \]

   No, the answer is incorrect.
   
   Accepted Answer: 1, b, 3, d, 4, a, c, 2, e, 5, 4, b, 1, c, 2, 3, 4, 5, e, 3, 1, 2, 4, 3, 5, a, c

5. In the absence of system calls, a user process can never dynamically allocate memory.
   
   True
   
   No, the answer is incorrect.
   
   Accepted Answer: False

6. Which of the features of COMS I07?
   a. Provide good user interface features
   b. Support for virtual memory
   c. Support for scheduling
   d. High-level thread support
   e. All of the above

   No, the answer is incorrect.
   
   Accepted Answer: e. All of the above