Assignment 5

The due date for submitting this assignment is passed. An per-as-recorded data does not submit the assignment.

1. True or False?
   Consider the following statements:
   "Buy-out agreement cannot be reached among three processes if one processor fails."
   False
   "Yes, the answer is incorrect.
   Accepted Answer: True"

2. True or False?
   Yes, the answer is incorrect.
   Accepted Answer: True

3. Consider the following statements:
   "Each of the two processors on a fully connected network is capable of reaching an agreement if number of faulty processes / 2 exceeds the number of non-faulty processes."
   True
   "Yes, the answer is incorrect.
   Accepted Answer: False"

4. Find the correct model for the given assumptions of a system:
   Assumption 1: No bounds on operation executions
   Assumption 2: The set of available services is unknown
   Assumption 3: Each service has an error and a correct version
   Assumption 4: No service is always correct
   Assumption 5: The service is fault-free
   Accepted Answer: Asynchronous system

5. Consider the following statements:
   Statement 1: In the asynchronous system model, consensus is possible.
   Statement 2: In the synchronous system model, consensus is impossible.
   Accepted Answer: True

6. Messages will "receive" unrecorded but message "send" is recorded and do not arrive if processes end back to a consistent global state are called:
   Accepted Answer: Stale messages

7. The __________ may arise when a process fails before it receives checkpoint after a failure and requires the other affected processes also to be rolled back.
   Feedback
   Feedback
   Feedback

8. Consider the following statements:
   Accepted Answer: False

9. State 1 and state 2 are true

10. True or False?
    Accepted Answer: False