1. Inter process communication:

1. allows processes to communicate and synchronize their actions when using the same address space
2. allows processes to communicate and synchronize their actions without using the same address space
3. allows the processes to only synchronize their actions without communication
4. none of these

Solution: allows processes to communicate and synchronize their actions without using the same address space

2. Bounded capacity and Unbounded capacity queues are referred to as:

1. Programmed buffering
2. Automatic buffering
3. User defined buffering
4. No buffering

Solution: Automatic buffering

3. Message passing system allows processes to:

1. communicate with one another without resorting to shared data
2. communicate with one another by resorting to shared data
3. share data
4. name the recipient or sender of the message

Solution: communicate with one another without resorting to shared data

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4. An IPC facility provides at least two operations:

1. write & delete message
2. delete & receive message
3. send & delete message
4. receive & send message
5. The Zero Capacity queue :

1. is referred to as a message system with buffering
2. is referred to as a message system with no buffering
3. is referred to as a link
4. none of these

Solution : is referred to as a message system with no buffering

6. Messages sent by a process :

1. have to be of a fixed size
2. have to be a variable size
3. can be fixed or variable sized
4. None of these

Solution : can be fixed or variable sized

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7. In the Zero capacity queue :

1. the queue can store at least one message
2. the sender blocks until the receiver receives the message
3. the sender keeps sending and the messages dont wait in the queue
4. none of these

Solution : the sender blocks until the receiver receives the message

8. The link between two processes P and Q to send and receive messages is called :

1. communication link
2. message-passing link
3. synchronization link
4. all of these

Solution: communication link

9. Which of the following are TRUE for direct communication:

1. A communication link can be associated with N number of processes (N = max. number of processes supported by system)
2. A communication link can be associated with exactly two processes
3. Exactly N/2 links exist between each pair of processes (N = max. number of processes supported by system)
4. Exactly two links exist between each pair of processes

Solution: A communication link can be associated with exactly two processes

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10. In indirect communication between processes P and Q:

1. there is another process R to handle and pass on the messages between P and Q
2. there is another machine between the two processes to help communication
3. there is a mailbox to help communication between P and Q
4. none of these

Solution: there is a mailbox to help communication between P and Q

11. In the non-blocking send:

1. the sending process keeps sending until the message is received
2. the sending process sends the message and resumes operation
3. the sending process keeps sending until it receives a message
4. none of these

Solution: the sending process sends the message and resumes operation