Started on	Thursday, 11 April 2024, 8:53 PM
State	Finished
Completed on	Thursday, 11 April 2024, 9:25 PM
Time taken	31 mins 59 secs
Grade	5.00 out of 5.00 (100 %)

Question 1

Correct

Mark 1.00 out of 1.00

Considering blocking communications, which of the following assertions are true?

Select one or more:

- a. The last parameter in the MPI call returns a request identifier needed for subsequent synchronization.
- ✓ b. A call to MPI blocks until the communication completes. ✓ True! (one of them)
- c. Return from the MPI call indicates that the user is allowed to use the resources (memory buffers) specifi

The correct answers are: A call to MPI blocks until the communication completes., Return from the MPI call indiresources (memory buffers) specified in the call.

Question 2
Correct
Mark 1.00 out of 1.00
For MPI_Send, which of the following assertions are true?
Select one or more:
✓ Performs a blocking send operation ✓ True! (one of them)
☐ The send buffer buf may not be modified safely until a synchonization is ensured with a a call to MPI_Wait
▼ The message can be received by either MPI_Recv or MPI_Irecv ▼ True! (one of them)
The correct answers are: Performs a blocking send operation, The message can be received by either MPI_Recv o
Question 3
Correct
Mark 1.00 out of 1.00
For MPI_Recv, which of the following assertions are true?
Select one or more:
✓ MPI_Recv can receive a message sent by either MPI_Send ✓ True! (one of them) or MPI_Isend
▼ The length of the message received must be less than or equal to the ▼ True! (one of them) length of the receive buffer buf provided as 1st parameter.
✓ Performs a blocking receive operation ✓ True! (one of them)
Wildcards (MPI_ANY_SOURCE, MPI_ANY_TAG) can be used in the receive call for either the source or

The correct answers are: Performs a blocking receive operation, MPI_Recv can receive a message sent by either I or MPI_Isend, The length of the message received must be less than or equal to the length of the receive buffer buf provided as 1st parameter., Wildcards (MPI_ANY_SOURCE, MPI_ANY_TAG) of source or tag.

Question 4
Correct
Mark 1.00 out of 1.00
Considering <i>non-blocking communications</i> , which of the following assertions are true?
Select one or more:
a. Require subsequent synchronization by means of MPI_Wait or MPI_Test to make sure that the commun been completed.
b. The call to MPI may return before the communication completes and before the user is allowed to reuse specified in the call.
The correct answers are: The call to MPI may return before the communication completes and before the user is a the call., Require subsequent synchronization by means of MPI Wait or MPI Test to make sure that the communication
Question 5
Correct Mark 1.00 out of 1.00
Mark 1.00 Out of 1.00
Both MPI_Isend and MPI_Irecv return a request identifier of type MPI_Request that can be used for subsequent s MPI_test.
Select one:
● True
O False
Well done!
The assessment is true.
The correct answer is 'True'.