

2006 JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
IV B.TECH II SEMESTER DEGREE EXAMINATIONS
PARALLEL PROGRAMMING
(COMPUTER SCIENCE ENGINEERING)

APRIL/MAY 2006

TIME : 3 HOUR
MARK : 80

Answer any FIVE Questions All Questions carry equal marks

1. Write a short notes on
 - (a) Fork
 - (b) Join
2. Write an algorithm for Parallel Reduction Operation.
3. (a) Explain about Race Condition.
(b) What is Scheduling?
4. (a) Explain Data Dependency.
(b) What is the importance of Recurrence Relations?
5. Explain the various types of Cache Protocol.
6. Write a parallel program for average of n numbers.
7. Write a parallel program for summation of n-numbers (array).
8. Discuss about Fork-Join operations in Unix.

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