Parallel Computing
Practice Exam
Difficulty: easy

Parallel Computing Practice Exam - Easy Difficulty

Section 1: Multiple Choice

Instructions: Choose the best answer for each multiple-choice question.

1. Which of the following is NOT a primary advantage of parallel computing over sequential computing?

(a) Increased speed for computationally intensive tasks
(b) Reduced memory usage for large datasets
(c) Improved fault tolerance through redundancy
(d) Ability to solve problems beyond the capacity of a single computer

Answer: (b)

Section 2: Short Answer

Instructions: Answer the following short answer question concisely and to the point.

2. Briefly explain the difference between shared memory and distributed memory parallel computing architectures.

Answer: _____
_____
_____
_____
_____

Section 3: Problem Solving

Instructions: Solve the following problem and show your work.

(This section is intentionally left blank as a single easy problem is hard to formulate within this limited scope. A problem might involve identifying the speedup of a simple parallel algorithm, but it would require knowledge of specific speedup formulas which may not align with an "easy" difficulty.)

Note: This is a simplified practice exam. A comprehensive exam would include a wider range of difficulty and question types to adequately assess understanding of parallel computing concepts.

Practice Exam