

Parallel Computing

Practice Exam

Difficulty: easy

****Parallel Computing Practice Exam - Easy****

****Section 1: Multiple Choice****

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

****Question 1:****

Which of the following is NOT a benefit of using parallel computing?

- (a) Increased speed of computation
- (b) Reduced memory usage
- (c) Ability to solve larger problems
- (d) Improved efficiency for certain tasks

Answer: _____

****Section 2: Short Answer****

****Instructions:** Answer the following question briefly and concisely.**

****Question 2:****

Explain the basic concept of a parallel algorithm in simple terms. What is the key difference between it and a sequential algorithm?

Answer: _____

****Section 3: Problem Solving****

******(This section is intentionally omitted for a single, easy question exam. A problem-solving question would be more appropriate for a more advanced exam.)******

****Answer Key:****

1. b

2. A parallel algorithm breaks down a problem into smaller parts that can be solved simultaneously by multiple processors, whereas a sequential algorithm solves the problem step-by-step, one operation at a time. The key difference is the simultaneous execution of tasks.
