For each question, write a clear and complete discussion fully answering the question – in complete sentences & paragraph form. “Restate” the question at the beginning of the answer/paragraph. DO NOT cut-and-paste from any online or print source. All work MUST be written in your own words! All discussions must be in the context of this course – parallel algorithms & processing. Must be typewritten. Single spacing, ½ inch margins, font size 12 or 14. May print on both sides of paper.

1. According to the authors what are the 3 primary issues to consider when developing a parallel algorithm. Explain/discuss each of the 3. (1.2)
2. State & describe the 3 factors that have converged to limit the growth in performance of single cores (known as the “Three Walls”). (1.3)
3. Name & describe the 3 desired properties of parallel programming models. (1.5)
4. Name & discuss 3 reasons to avoid programming to specific hardware. (1.5)
5. Explain & discuss Data Parallelism. (1.5)