Computer Organization and Architecture, 11th Edition, by William Stallings

CHAPTER 2: PERFORMANCE CONCEPTS

TRUE OR FALSE

1. F
2. T
3. F
4. T
5. T
6. T
7. F
8. T
9. F
10. T
11. T
12. T
13. T
14. F
15. F

MULTIPLE CHOICE

1. C
2. D
3. A
4. A
5. B
6. D
7. C
8. B
9. B
10. A
11. A
12. D
13. B
14. D
15. A

SHORT ANSWER

1. Pipelining
2. Superscalar execution
3. branch prediction
4. Speculative execution
5. GPU (graphics processing units)
6. Little's
7. geometric
8. Arithmetic
9. Harmonic
10. Geometric
11. Base
12. benchmark
13. Hertz (Hz)
14. System Performance Evaluation Corporation (SPEC)
15. Amdahl's