

Computer Maintenance 1

Module 4 Homework/Study Guide

Define these terms:

1. Cache
2. Register
3. ROM
4. RAM
5. Shadowing
6. DRAM
7. SRAM
8. Refresh
9. SDRAM
10. DDR
11. RAMBUS
12. SO-DIMM
13. Multi-Channel Memory
14. Parity
15. ECC
16. Sector

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17. Track

18. Cluster

19. Cylinder

20. Partition

21. SSD

22. IDE

23. PATA

24. SATA

25. Hard Drive Speeds

26.

Format	Capacity	Approx. Movie Time
Standard CD		
DVD Single-sided/single-layer		
DVD Single-sided/double-layer		
DVD Double-sided/single-layer		
DVD Double-sided/double-layer		
Blu-ray Single-layer		
Blu-ray Dual-layer		

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27. Maximum cable lengths:

Cable	Connector Pins	Max Length
FDD		
IDE		
EIDE		
SATA		

28. Using the Internet, find and describe the specifications for a memory compatible with the motherboard selected you might use in your ultimate computer.

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29. Using the Internet, find and describe the specifications for a hard drive you might use in your ultimate computer.

30. Using the Internet, find and describe the specifications for an optical drive you might use in your ultimate computer.