

UNIT 1.2 MEMORY – LESSON 1 MCQS ANSWERS

Question 1: This is volatile storage (1-3)	
ROM	
RAM	✓
Secondary Storage	
Hard Disk	
Question 2: BIOS (Boot-up program) (3-4)	
ROM	✓
RAM	
Cache	
Hard Disk	
Question 3: You can write data more than once to this device (1-3)	
CD ROM	
RAM	✓
ROM	
DVD+R	
Question 4: Which statement is true? (1-3)	
RAM is part of the hard disk	
ROM is volatile	
RAM stores programs / data used by the CPU	✓
ROM contains the operating system	
Question 5: A gaming computer is “thrashing” the disk. Why? (5-7)	
The game takes up too much space	
The game uses high resolution graphics	
The screen uses too many colours	
The processor is short of RAM	✓
Question 6: Which statement is true? (3-5)	
RAM is non volatile	
RAM has a slow access time relative to other storage devices	
RAM can be static or Dynamic (SRAM/DRAM)	✓
RAM holds the BIOS	
Question 7: What is firmware? (3-5)	
Data in RAM	
A program in ROM	✓
Any hardware	
A program in cache	

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Question 8: What is the difference between SRAM and DRAM (6-9)

DRAM is physically bigger	
DRAM is faster	
SRAM needs its data to be refreshed otherwise it loses it	
DRAM needs its data to be refreshed otherwise it loses it	✓

Question 9: What is the fastest data storage in a computer (6-9)

Registers	✓
RAM	
HDD	
ROM	

Question 10: How does data/ instructions move between the CPU and RAM (6-9)

ROM	
Address and data bus	✓
Address bus	
Data bus	

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UNIT 1.2 MEMORY – LESSON 2 MCQS ANSWERS

Question 1: RAM - What happens when the electricity is turned off? (1-2)	
The data from the memory is saved onto flash memory	
The data from the memory is saved onto the hard disk	
The data from the memory is not saved	✓
The data from the memory is saved onto ROM	
Question 2: Which one is an example of flash memory? (2-3)	
SD Card	✓
RAM	
ROM	
Cache	
Question 3: Which storage device stores data using magnetic technology?(2-3)	
Solid state	
Internal Hard disk	✓
USB	
External hard disk	
Question 4: Where does virtual memory live?(2-3)	
RAM	
Cache	
Hard Disk	✓
ROM	
Question 5: Which one is secondary storage? (2-3)	
RAM	
Hard Disk	✓
ROM	
BIOS	
Question 6: Which storage device is not flash memory? (2-3)	
SD Card	
RAM	✓
Micro SD	
BIOS	
Question 7: Which logic gate has one input? (2-3)	
AND	
RAM	✓
XAND	
XOR	

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Question 8: The input of a logic gate is 0, 1. The output is 0. Name the logic gate. (3-4)

AND	
RAM	✓
NOT	
NAND	

Question 9: A computer is continuously paging to the swap file. Discuss why this might be (5-8)

There is not enough RAM	✓
The cache is too slow	
The virtual memory is too small	
The hard disk is too slow	

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