

CS101 updated Midterm Past Paper MCQs Questions From 2020 to date		
Created by APEX Team		

Why is hexadecimal notation used in computer systems?

- a) To confuse users
- b) To simplify the representation of bit patterns
- c) To make bit patterns longer
- d) To reduce the number of bits

Answer: b) To simplify the representation of bit patterns

How many bits does each hexadecimal symbol represent?

- a) 1 bit
- b) 2 bits
- c) 3 bits
- d) 4 bits

Answer: d) 4 bits

What is the hexadecimal representation of the bit pattern 111010000101010100010111?

- a) E8A517
- b) E85517
- c) E810A5
- d) E10111

Answer: b) E85517

What is the main purpose of a computer's main memory?

- a) To store mass storage devices
- b) To store data in binary form
- c) To perform calculations
- d) To store individual bits

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Answer: b) To store data in binary form

What is the name for a computer's main memory that allows for independent access to cells?

- a) ROM
- b) RAM
- c) DRAM
- d) SDRAM

Answer: b) RAM

What does "RAM" stand for?

- a) Random Access Memory
- b) Read-Only Memory
- c) Rapid Access Memory
- d) Remote Access Memory

Answer: a) Random Access Memory

Which mass storage system uses optical technology?

- a) Magnetic disks
- b) CDs
- c) Magnetic tapes
- d) Solid-state disks

Answer: b) CDs

What is the capacity of a typical CD sector in terms of data?

- a) 1 KB
- b) 2 KB
- c) 512 bytes
- d) 1 MB

Answer: c) 512 bytes

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Which optical system is best suited for long continuous strings of data?

- a) CDs
- b) DVDs
- c) BDs
- d) Flash drives

Answer: a) CDs

How are bits stored in flash drives?

- a) By using lasers
- b) By sending electronic signals
- c) By using magnetic coatings
- d) By physically moving read/write heads

Answer: b) By sending electronic signals

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