

# 42 Lecture - CS302

## Important Mcqs

1. Which of the following is a characteristic of flash memory?

- A) Volatile memory
- B) Slow access times
- C) Low power consumption
- D) Mechanical moving parts

Answer: C

What is the primary advantage of a flash memory array compared to a hard disk drive?

- A) Faster access times
- B) Larger storage capacity
- C) More reliable
- D) Lower cost

Answer: A

Which type of memory cell is used in a flash memory array?

- A) SRAM
- B) DRAM
- C) EEPROM
- D) ROM

Answer: C

What is the process of programming a flash memory cell called?

- A) Write
- B) Read
- C) Erase
- D) Refresh

Answer: A

Which of the following is a disadvantage of a flash memory array?

- A) Limited write cycles
- B) High power consumption
- C) Slow access times
- D) Low storage density

Answer: A

What is the term used to describe the number of bits that can be stored in a single flash memory cell?

- A) Memory capacity
- B) Memory density
- C) Memory bandwidth
- D) Memory access time

Answer: B

Which of the following is a common application of a flash memory array?

- A) Mainframe computer

- B) Smartphones
- C) CRT monitor
- D) Magnetic tape drive

**Answer: B**

**What is the process of erasing a flash memory cell called?**

- A) Write
- B) Read
- C) Erase
- D) Refresh

**Answer: C**

**Which of the following is a factor that affects the lifespan of a flash memory array?**

- A) Temperature
- B) Humidity
- C) Magnetic fields
- D) Pressure

**Answer: A**

**How does wear leveling help to extend the lifespan of a flash memory array?**

- A) It reduces the number of write cycles to each memory cell.
- B) It increases the number of write cycles to each memory cell.
- C) It reduces the time required to erase a memory cell.
- D) It increases the storage capacity of the memory array.

**Answer: A**