## 9 Lecture - CS301

## **Important Mcqs**

- 1. Which of the following is the fastest type of memory?
  - a) Registers
  - b) Cache
  - c) Main memory
  - d) Secondary storage

Answer: a) Registers

- 2. Which level of memory is located close to the CPU and used to store frequently accessed data?
  - a) Registers
  - b) Cache
  - c) Main memory
  - d) Secondary storage

Answer: b) Cache

- 3. Which level of memory is used to store data and program instructions during execution?
  - a) Registers
  - b) Cache
  - c) Main memory
  - d) Secondary storage

Answer: c) Main memory

- 4. Which type of memory has the largest capacity?
  - a) Registers
  - b) Cache
  - c) Main memory
  - d) Secondary storage

Answer: d) Secondary storage

- 5. Which type of storage is used for long-term data storage?
  - a) Main memory
  - b) Secondary storage
  - c) Cache
  - d) Registers

Answer: b) Secondary storage

- 6. Which level of memory has the slowest access time?
  - a) Registers
  - b) Cache
  - c) Main memory
  - d) Secondary storage

Answer: d) Secondary storage

- 7. Which level of memory is the most expensive?
  - a) Registers
  - b) Cache
  - c) Main memory
  - d) Secondary storage

Answer: a) Registers

- 8. Which level of memory has the largest capacity?
  - a) Registers
  - b) Cache
  - c) Main memory
  - d) Secondary storage

Answer: d) Secondary storage

- 9. Which type of memory organization is used to minimize the time spent accessing data from higher levels of the memory hierarchy?
  - a) Top-down organization
  - b) Bottom-up organization
  - c) Parallel organization
  - d) Hierarchical organization

Answer: d) Hierarchical organization

- 10. Which type of computing system may use different types of memory organization depending on its intended use and performance requirements?
  - a) Embedded systems
  - b) Personal computers
  - c) Supercomputers
  - d) All of the above

Answer: d) All of the above