

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