

9 Lecture - CS101

Important Mcqs

1. **What is the smallest unit of digital data storage?**

- a. Kilobyte
- b. Megabyte
- c. Gigabyte
- d. Bit

Answer: d. Bit

2. **What is the largest unit of digital data storage?**

- a. Kilobyte
- b. Megabyte
- c. Terabyte
- d. Exabyte

Answer: d. Exabyte

3. **Which type of storage device uses magnetic fields to store data?**

- a. Solid-state drive (SSD)
- b. Hard disk drive (HDD)
- c. USB flash drive
- d. Optical disc

Answer: b. Hard disk drive (HDD)

4. **What is the main disadvantage of optical discs as a storage medium?**

- a. They are expensive
- b. They have limited storage capacity
- c. They are prone to physical damaged
- d. They are slow to access data

Answer: b. They have limited storage capacity

5. **Which type of storage device uses flash memory to store data?**

- a. Solid-state drive (SSD)
- b. Hard disk drive (HDD)
- c. USB flash drive
- d. Optical disc

Answer: a. Solid-state drive (SSD)

6. **Which type of RAID configuration provides the highest level of data protection?**

- a. RAID 0
- b. RAID 1

- c. RAID 5
- d. RAID 10

Answer: d. RAID 10

7. **What is the purpose of data compression?**
- a. To reduce the size of a file
 - b. To increase the speed of data transfer
 - c. To protect data from corruption
 - d. To increase the storage capacity of a device

Answer: a. To reduce the size of a file

8. **What is the most common file system used in Windows computers?**
- a. NTFS
 - b. FAT32
 - c. HFS+
 - d. Ext4

Answer: a. NTFS

9. **Which type of backup creates a copy of all data, regardless of whether it has changed?**
- a. Incremental backup
 - b. Differential backup
 - c. Full backup
 - d. Mirror backup

Answer: c. Full backup

10. **What is the purpose of RAID?**
- a. To improve the performance of a storage system
 - b. To provide redundancy and data protection
 - c. To compress data to save storage space
 - d. To encrypt data for security purposes

Answer: b. To provide redundancy and data protection