



# AJEENKYA

## D Y PATIL UNIVERSITY

### End Term Examination (December 2019)

School: School of Engineering

Program: BTECH (CTIS)

Course: Advanced Storage Technology

Course Code: CSC 408

Semester: VII

Max Marks: 30

Duration (mins): 60 Min

- Note- 1. Figures to the right indicates full marks  
2. Attempt any three questions.

- Q1) a) What do you mean by Direct Attached Storage?  
Write Its Advantages? (5)
- b) Differentiate Between JBOD and RAID? (5)
- Q2) a) Write Protocol Layers of Fiber Channel? (2)
- b) Explain in Detail All Type of data with the help of examples? (8)
1. Unstructured Data
  2. Quasi Structured Data
  3. Structured Data
  4. Semi Structured Data
- Q3) a) What do you mean by Quasi Structured Data? (2)
- b) Write down two benefits of SCSI? (2)
- c) Explain in detail Serial Attached SCSI (SAS)? Write its benefits? (6)
- Q4) a) What do you mean by Storage Attached Network (SAN)?  
Write Its Advantages? (5)
- b) Explain in detail what do you think about Storage Security Triads?  
Why there is need of security in storage technology? (5)

**Q5) a) What do you mean by Un-Structured Data?**

**(2)**

**b) Explain all RAID levels in detail?**

**(8)**

- 1. RAID 0**
- 2. RAID 1**
- 3. RAID 4**
- 4. RAID 5**
- 5. RAID 6**
- 6. RAID 01**
- 7. RAID 10**

**Page 2/2**

**\*\*\*\*\*ALL THE BEST\*\*\*\*\***