

[5060] - 810

M.E. (Computer Engineering) (Semester - III)

**ADVANCED STORAGE SYSTEMS AND
INFRASTRUCTURE MANAGEMENT**

(2013 Pattern)

Time : 3 Hours]

[Max. Marks :50

Instructions to the candidates:

- 1) *Attempt any five questions.*
- 2) *Neat diagrams must be drawn wherever necessary.*
- 3) *Figures to the right indicate full marks.*

Q1) a) What are the benefits of using RAID3 in backup applications. Discuss in detail. **[5]**

b) Explain the terms idle flushing, High watermark flushing & forced flushing in relevance to cache watermarking. **[5]**

Q2) a) What are different file sharing protocols used in NAS. Compare NFS & CIFS. **[5]**

b) Explain in detail content Addressed Storage (CAS) architecture. What are the features & benefits of CAS. **[5]**

Q3) a) Define Business Continuity? Explain impact of information unavailability? **[5]**

b) Explain Storage array based remote replication. **[5]**

Q4) a) Discuss the Complexity of today's computing environment. **[5]**

b) What are Current business demands & IT Systems issues? **[5]**

P.T.O.

- Q5)** a) Explain information technology Infrastructure Library (ITIL) [5]
- b) What are the factors to be Considered in designing IT organisations and IT infrastructure? [5]
- Q6)** a) Write Short note on [5]
- i) Release Management
- ii) Incident Management
- b) Write Short note on IT Services Continuity management. [5]

