

# END TERM EXAMINATION

THIRD SEMESTER [MCA] DECEMBER-2008

Paper Code: MCA 201  
Paper Id-44201

Subject: Operating System  
(Batch: 2004-2007)

Note: Attempt any five questions.

(2×6=12)

- Q1. (a) Define Multi programmed Batches Systems.  
(b) Explain Real Time System.  
(c) Define Multi-user Multi Tasking System.  
(d) What is Multi Processor Scheduling?  
(e) Discuss Time System.  
(f) Define Storage Device.
- Q2. What is an operating System? Define the Protected Mode and Supervisor Mode. (12)
- Q3. Explain the following briefly: (4×3=12)  
(a) What is Scheduling Policy? Describe the Basic Concepts, Criteria and Algorithm Evaluation in brief. (6)  
(b) What is Synchronization? Define the classical Problem of Synchronization (6)
- Q5. Explain the following briefly:- (3×4=12)  
(a) Swap Space Management  
(b) Stable-Storage Implementation  
(c) Device Allocation Consideration
- Q6. Differentiate between the following:- (3×4=12)  
(a) Basic file system and Logical File System  
(b) File system Interface and File File System Implementation  
(c) Directory Implementation and Directory Structure
- Q7. Write short notes on the following:- (4×3=12)  
(a) Access Control Verification  
(b) Disk reliability  
(c) Parallel System.  
(d) Shared Devices