

Code: 9F00204

MCA II Semester Supplementary Examinations, March 2013

OPERATING SYSTEMS

Time: 3 hours

Max Marks: 60

Answer any FIVE questions

All questions carry equal marks

- 1 (a) Write in brief about evolution of operating systems.
(b) What are the types of system calls? How do they play important role?
- 2 (a) What is the difference between context switching and preemptive scheduling?
(b) Explain process scheduling in Linux OS.
- 3 Explain in detail the critical section problem and its solutions.
- 4 What are the different page replacement algorithms? Explain them with examples?
- 5 What is the concept of a file? Explain file access methods in detail.
- 6 Explain in detail overview of mass storage structure.
- 7 (a) What is the difference between deadlock prevention and deadlock avoidance?
(b) What are different deadlock prevention techniques?
- 8 Write about:
(a) System and network threats.
(b) File walling to protect systems and networks.
