

III B.Tech II Semester Supplementary Examinations, Apr/May 2006
OPERATING SYSTEMS
(Common to Electronics & Communication Engineering and Electronics & Instrumentation Engineering)

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. (a) Explain the Multiprogrammed batched system with an example.
(b) Describe the features of timesharing systems with an example. [8+8]
2. Discuss the attributes of the process. Describe the typical elements of process control Block. [6+10]
3. What are the requirements for mutual exclusion? Explain them in detail. [8+8]
4. Give the conditions for deadlock and explain the methods of preventing deadlock. [8+8]
5. (a) Discuss the process of Linking using illustrations
(b) Write about Linkage Editor.
(c) Write the steps involved in Load Time Dynamic Linking
(d) Write in brief about run time dynamic linking [4+4+4+4]
6. (a) What are the criteria based on which scheduling policies are evaluated.
(b) Describe round robbin and feedback scheduling policies. [8+8]
7. (a) Explain in detail the four terms field, record, file and database with respect to files.
(b) List the objectives and the requirements for a file management system. [8+8]
8. (a) What are the various classes of intruders?
(b) Discuss about intrusion techniques. [8+8]
