

DE-2406

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DISTANCE EDUCATION
B.C.A. DEGREE EXAMINATION, DECEMBER 2011.
PRINCIPLES OF OPERATING SYSTEM
(2003 onwards)

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.
Each question carries 20 Marks.

(5 × 20 = 100)

1. (a) Explain the structure of an Operating System.
(b) List and explain various system calls.
 2. (a) Discuss about the Round Robin scheduling with sample code.
(b) Describe the Policy Driven scheduling in detail.
 3. (a) Explain the goals of I/O software.
(b) Discuss about the Deadlock modeling.
 4. (a) Explain multiprogramming and memory usage with neat diagram.
(b) Explain about paging with diagram.
 5. (a) Explain Multiprogramming with fixed partitions.
(b) Discuss about swapping.
 6. (a) Explain about the file storage management.
(b) Discuss in detail about the security.
 7. (a) Describe in detail about the protection mechanism.
(b) Explain the performance of a file system.
 8. (a) How can you prevent the Deadlock? Discuss.
(b) Discuss about the Deadlock Avoidance in detail.
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