Time: 70 min   Marks: 30

Answer any two Questions   2 X 5 = 10

1. What is a deadlock? Explain characteristics of a deadlock?
2. What is the purpose of system calls?
3. Describe the scheduling criteria ?
4. What are the functions of OS?

Answer any two Question   2 X 10 = 20

5. Explain any two scheduling algorithm in detail?
6. What is critical section problem? Explain it with an example.
7. Explain the file concepts in detail?
8. Explain the deadlock avoidance and bankers algorithm?

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