OPERATING SYSTEMS ASSIGNMENT-2 QUESTIONS

Unit-3 & 4

1. a) Discuss the necessary conditions for a deadlock to occur?

b) Discuss about Resource Allocation Graph?

2. a) Discuss about Safe and Unsafe State in deadlocks?

b) Explain Bankers Algorithm with a suitable example?

3. Explain about Deadlock Detection and write the algorithm for it with a suitable example?

4. a)Explain the swapping with neat sketch

b) Discuss about contiguous memory allocation?

5. Explain the paging concept in memory management with neat sketch?

6. a) Discuss about Segmentation?

b) Explain the concept of Demand Paging?

7. Explain the different page replacement algorithms with a suitable example?

8. a) Discuss about Virtual Memory?

b) Explain the need for Page Replacement?

OS-1: Total No of Students: 74

Roll Numbers from 3 to 54: Questions 1,3,5
Roll Numbers from 58 to 102: Questions: 2,4,6
Roll Numbers from 104 to 150: Questions: 8,7,2
Roll Numbers from 151 to 180: Questions: 3,6,8
OS-2: Total No of Students: 64

Roll Numbers from 1 to 26: Questions 3,6,8
Roll Numbers from 27 to 51: Questions: 8,7,2
Roll Numbers from 52 to 83: Questions: 2,4,6
Roll Numbers from 84 to 155: Questions: 1,3,5