

PANJAB UNIVERSITY

OPERATING SYSTEM CONCEPTS AND LINUX

(BCA 4TH SEMESTER)

Maximum Marks: 65

Note: - Attempt five questions in all, including Question No. 9 (Section E) which is compulsory and selecting one question each from Section A-D.

2019: -

SECTION – A

1. What do you mean by operating system? Draw differences between Parallel systems and distributed systems. 13
2. Define CPU Scheduling. Discuss any two CPU scheduling algorithms in detail. 13

SECTION – B

3. What do you mean by Deadlock? Explain the concept of deadlock detection and recovery. 13
4. What do you understand by demand paging? Explain FIFO and LRU page replacement algorithms with suitable examples. 13

SECTION – C

5. What do you understand by LINUX? Describe the features of LINUX. 13
6. Draw the difference between redirection and piping with suitable examples. 13

SECTION – D

7. Who is system administrator? Describe the responsibilities of system administrator with commands of LINUX. 13
8. What do mean by file system? How file system can be mounted and unmounted in LINUX? Explain with commands in LINUX. 13

SECTION – E

(Compulsory questions)

9. Write short notes on the following:
- a) rm command. 3
 - b) Virtual memory. 2
 - c) Kernel. 2
 - d) pwd command. 2
 - e) wildcards. 2
 - f) mv command. 2

CA KNOWLEDGE