

(2)

OR

Describe the peer to peer operating system.

3. What is process life cycle?

OR

Describe the process states.

4. Describe the logical and physical address space in memory management.

OR

Define the fragmentation and swapping relocation.

5. What is a Lead locks ?

OR

Explain the security policy and mechanism.

6. Write any four commands of linux.

अथवा / OR

What is linux kernel.

(Section-C)

(Long Answer Type Questions)

5X5= 25

7. Explain the types of operating systems.

OR

Describe the terms of system calls protection of I/O and cluster.

8. Explain the scheduling algorithms.

OR

Write about the process scheduling.

9. What is page replacement algorithms.

OR

Describe the dynamic loading and linking.

10. Explain the disk organization in details.

OR

What is desk management system.

11. Write the history of features of Linux.

OR

Describe the various type of shells available in Linux.

OS-261-S

Roll No.

OS-261-S

B.Sc. -III Year, Supplementary Exam - 2020-21

Subject - Computer Science

Paper - II

(Operating System Concepts)

M.M. 40

Note : Attempt all questions.

(Section-A)

(Objective Type Questions)

1. Choose the correct answer : 1X5=5
- (i) An Algorithm is best described as -
- (a) A computer language
 - (b) A step by step procedure for solving a problem
 - (c) A branch of mathematics
 - (d) All of the above
- (ii) Among all memory management techniques..... is simple to implement little operating system overhead -
- (a) Fixed partitioning
 - (b) Simple paging
 - (c) Virtual memory paging
 - (d) Simple segmentation
- (iii) If deadlocks occur frequently the detection algorithms must be invoked.
- (a) Rarely
 - (b) Frequently
 - (c) Rarely & frequently
 - (d) none of these
- (iv) Which command is used to record a user login session in a file of Linux :
- (a) Macro
 - (b) read
 - (c) Script
 - (d) none of these
- (v) Which command is used in Linux to display the operating system name :
- (a) OS
 - (b) Unix
 - (c) Kernel
 - (d) Uname

(Section-B)

(Short Answer Type Questions)

2x5= 10

2. Write the components of operating system.

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