

Term End Assignment 2020

Class -: BCA part II

Subject -: operating system with Linux

Note -: Attempt any two parts from each unit. All questions carry equal marks.

Min:27.

Max:80

Unit - I

1. Discuss function and goals of operating system.
2. Explain batch processing and time sharing systems.
3. Differentiate multiprogramming and multiprocessing operating systems.

Unit - II

1. Explain state transition of process with the help of state transition diagram.
2. What is scheduling? Describe the types of scheduling.
3. What are the different types of CPU scheduling algorithms? Discuss any one in brief.

Unit - III

1. Differentiate contiguous and non-contiguous memory allocation.
2. Explain the concept of demand paging and swapping.
3. Differentiate LRU and MRU page replacement policies.

Unit - IV

1. Explain role of kernel in Unix. Describe its functions in brief.
2. Discuss features of Unix file system.
3. Write Syntax and functionalities of following Unix commands:
  - WHO
  - RM
  - LS
  - MV
  - GREP

Unit - V

1. What is Shell? Discuss features of Unix shell .
2. Write a shell script to find factorial of a number .
3. Write a shell script to find greatest of three numbers. I