

Exam.Code:0030

Sub. Code: 0940

2071

Bachelor of Computer Application

Fourth Semester

BCA-16-404: Operating System Concepts and Linux

Time allowed: 3 Hours

Max. Marks: 65

NOTE: Attempt five questions in all, including Question No. IX (Unit-V) which is compulsory and selecting one question each from Unit I -IV.

x-x-x

UNIT - I

- I. What do you mean by operating system? Draw the difference between Parallel systems and distributed systems. (13)
- II. Define CPU Scheduling. Discuss any two CPU scheduling algorithms in detail. (13)

UNIT - II

- III. What do you mean by deadlock? Explain the concept of deadlock detection and recovery. (13)
- IV. What do you understand by demand paging? Explain FIFO and LRU page replacement algorithms with suitable examples. (13)

UNIT - III

- V. What do you understand by LINUX? Describe the features of LINUX. (13)
- VI. Draw the difference between redirection and piping with suitable examples. (13)

UNIT - IV

- VII. Who is system administrator? Describe the responsibilities of system administrator with commands of LINUX. (13)
- VIII. What do you mean by file system? How file system can be mounted and unmounted in LINUX? Explain with commands in LINUX. (13)

P.T.O.

(2)

UNIT - V

IX. Write short notes on following:-

- a) rm command (3)
- b) virtual memory (2)
- c) kernel (2)
- d) pwd command (2)
- e) wildcards (2)
- f) mv command (2)

x-x-x