

S.B. Roll No.....

OPERATING SYSTEM
3rd Exam/CSE/IT/0395/Nov'19
(FOR 2018 BATCH)

Duration: 3Hrs.

M.Marks:75

SECTION-A

Q1. Do as directed.

15x1=15

- a. _____ Linux command is used to print current user ID.
- b. _____ interprets the instruction line by line.
- c. Set of programs is known as _____.
- d. A program or job under execution is called a _____.
- e. _____ and _____ are the types of real time operating system
- f. Schedulers are of _____ types
- g. Printer is a/an _____ device.
- h. _____ software manages overall working of system.
- i. _____ is the heart of operating system.
- j. Virtual memory is _____ management technique.
- k. The _____ command in Linux used is used to terminate a process.
- l. _____ converts high level language into low level language.
- m. Linux is _____ operating system.
- n. Semaphore can be used for solving _____.
- o. DOS stands for _____

SECTION-B

Q2. Attempt any six questions.

6x5=30

- a. What is an operating system? Write its functions.
- b. What is a process? Explain its all states.
- c. What is memory management? What is the need of it?
- d. Explain file management techniques.
- e. Write a short note on real time systems and distributed systems.
- f. What is paging?
- g. What is scheduler explain its types.
- h. Write a short note on virtual memory.
- i. What is system software? Explain its types

SECTION-C

Q3. Attempt any three questions.

3x10=30

- i. What is a deadlock? Explain conditions for deadlock.
- ii. What is process management and what is the need of it? Explain Process management techniques.
- iii. What is Linux explain its architecture and features.
- iv. What do you mean by process synchronization? Explain in detail.
- v. Write a short note on the following.
 - a. PCB
 - b. Impact and Non impact printers