

S.B. Roll No.....

OPERATING SYSTEM
5th Exam/Comp/IT/CSc./2625/May'18

Duration: 3Hrs.

M.Marks:75

SECTION-A

Q1. Do as directed.

10x1.5=15

- a. SPOOLING stands for _____
- b. _____ and _____ are the types of real time system.
- c. _____ command is used in Linux to create a directory.
- d. _____ forms the interface between computer and the user.
- e. Set of instructions is known as _____
- f. _____ is an example of multiuser operating.
- g. Virtual memory is a _____ management technique.
- h. The _____ command is used to display list of files and directory in Linux.
- i. _____ is a technique used to remove the problem of external fragmentation.
- j. MICR stands for _____

SECTION-B

Q2. Attempt any six questions.

6x5=30

- i. Explain Multiprocessing systems. Give an example.
- ii. What is the need of memory management?
- iii. Explain various functions of operating system.
- iv. What is a process? Explain its states.
- v. What is scheduler explain its types.
- vi. What is the difference between logical and physical addressing?
- vii. What is a Kernel? Explain its use.
- viii. What is deadlock? Explain deadlock avoidance methods

SECTION-C

Q3. Attempt any three questions.

3x10=30

- a. What is paging? Explain the need of page replacement algorithms explain in detail.
- b. Explain the principles and file allocation methods in detail.
- c. What is Linux explain its architecture and file structure.
- d. What is the need of process management? Explain Process management techniques.
- e. Write a short note on:
 - i. Virtual memory
 - ii. PCB