

OPERATING SYSTEM
5TH EXAM/COMP/IT/COMP SC./ 2625/0862

Duration 3 hrs

MM: 75

Section A

Q1 : Do as directed

10x1.5=15

- (i) Name the five states of a process.
- (ii) Unix is _____ operating System.
- (iii) The degree of multiprogramming is controlled by _____
- (iv) The full form of MS-DOS is _____
- (v) SPOOLING stands for _____
- (vi) The _____ command is used to display the list of files in a directory.
- (vii) The tar command is used for creating _____
- (viii) The command _____ is used to count number of lines in linux.
- (ix) The command _____ is used for copy one file to another in Linux.
- (x) Program written in high level language is called _____ program.

Section B

Q2 : Attempt any five questions.

5x6=30

- (i) What do you mean by linker?
- (ii) Explain the grep command with various options in linux.
- (iii) Explain the file structure of linux operating system.
- (iv) Differentiate between compiler and interpreter.
- (v) Explain the types of schedulers.
- (vi) What are deadlocks? How can they be avoided?
- (vii) Write short note on PCB.

Section C

Q3: Attempt any 2 questions.

15x2=30

- (i) What is a process ? How it is different from a program? Explain the states of a program in detail by drawing suitable diagram.
- (ii) What is paging ? Explain the concept of paging in detail.
- (iii) Write short notes on following.
 - a) installing and managing devices in linux
 - b) buffering
 - c) mount command in linux