LEARN LONER

Roll No.

BT-6/M-21

46173

Total Pages: 2

UNIX AND LINUX PROGRAMMING Paper–PE-CS-S 314 A

Time : Three Hours] [Maximum Marks : 75

Note: Attempt *five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

UNIT_I

- **1.** (a) What is UNIX File System ? Discuss its various components in detail.
 - (b) What do you mean by mounting and unmouting a file system? Also brief its significant role in context to UNIX File System.
- 2. (a) What is i-nodes in UNIX operating system? Explain.
 - (b) Explain any *five* UNIX commands with their syntax and examples.

UNIT-II

- **3.** (a) What are Quantifiers ? What is the importance of Quantifiers ?
 - (b) Explain about grep and egrep utility with suitable examples. 7

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(a)	What is AWK programming ? Illustrate with an example.
(b)	Write a PERL based simple program to find the Factorial of a given number.
	UNIT-III
(a)	What are the dependency calculations in C environment programs? Discuss in detail.
(b)	What is static and dynamic memory management in UNIX programming ?
(a)	What is vi editor? Explain the various modes of vi editor.
(b)	Briefly discuss about the projects development and execution in C environment based on UNIX operating system.
	UNIT-IV
(a)	What is a process ? How are processes initialized and stopped in UNIX operating system ?
(b)	What do you mean by Job Control processes in Linux? Discuss in detail.
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(b)

8.

Briefly tell about SIGSTOP and SIGKILL signals in

(a) Discuss about Linux I/O system in detail.

context to signal handlers.

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