(04 Marks)

## USN

## First Semester MCA Degree Examination, January 2011 Introduction to UNIX

Time: 3 hrs. Max. Marks:100

Note: Answer any FIVE full questions.

1	a. b.	Explain the architecture of unix, with a neat diagram.  Explain the following commands:	(08 Marks)
	c.	i) comm ii) be iii) od iv) echo. Differentiate between the absolute and relative path names, with examples.	(08 Marks) (04 Marks)
2	a. b. c.	Explain the unix file system, with a neat diagram.  Explain the different modes of giving permission to file.  Mention and discuss the different modes of Vi editor.	(10 Marks) (04 Marks) (06 Marks)
3	a. b. c.	What is a wild card? Explain any five, with examples. Explain the three mechanisms of process creation. Explain the following, with respect to a process. i) kill ii) nice iii) at and batch.	(10 Marks) (04 Marks) (06 Marks)
4	a. b. c.	Differentiate between the hard links and soft links.  Write the syntax for find command. Explain with an example, each option of it.  Explain the following commands:  i) cut ii) sort iii) tr iv) uniq.	(06 Marks) (06 Marks) (08 Marks)
5	a.	What is sed command? Explain the options of sed command, with suitable example.	(IU Marks)
	b. c.	Explain the special characters + and ?, with respect to ERE.  Explain any six basic regular expressions, with examples.	(04 Marks) (06 Marks)
6	a. b.	Write a shell script which accepts valid log-in names as arguments and corresponding home directories. If no arguments are specified, print a sumessage.  Explain the set and shift commands for manipulating the positional parameters.	prints their nitable error (10 Marks) (04 Marks)
	c.	Explain startup and shutdown procedure in unix.	(06 Marks)
7	a. b. c.	THE CONTRACT OF THE PROPERTY O	(06 Marks) (04 Marks) The basic. If c.] (10 Marks)
8	a. b.	i) Export ii) Let iii) Eval. Explain:	(06 Marks)
		i) Command substitution ii) Positional parameters iii) U mark iv) Yanking v) /dev/nuu.  Differentiate between the pine and pine tee command, with an example	(10 Marks)

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c. Differentiate between the pipe and pipe tee command, with an example.

