

Roll No.

Total No. of Questions : 13]

[Total No. of Pages : 03

J-3378[S-1234]

[2037]

MCA (Semester - 5th)

LINUX OPERATING SYSTEM (MCA - 504 C)

Time : 03 Hours

Maximum Marks : 75

Instruction to Candidates:

- 1) Section - A is compulsory.
- 2) Attempt any Nine questions from Section - B.

Section - A

Q1)

(15 x 2 = 30)

- a) What is dual booting?
- b) What is the role of KDE Control Center?
- c) What is the difference between KDE and GNOME?
- d) What is the downside of X Windows?
- e) What is the role of uptime command in Linux?
- f) What is the role of **init** process?
- g) What is the purpose of **telinit** command?
- h) What is the role of **corn** program?

P.T.O.

- i) Differentiate the **inetd** and **xinetd** processes.
- j) Describe the **runlevels** item in the **/ etc / inittab** File's line format.
- k) Describe the structure of i-node table.
- l) What will be the output of the command : **rm *i***.
- m) What will be the output of the command : **ls -lu**.
- n) What is the difference between **setUID** and **setGID**?
- o) What's the difference between internal command and external command?

Section - B

(9 x 5 = 45)

- Q2)** Explain the major differences between Linux and Windows 2000.
- Q3)** What's the purpose of Disk Druid? Explain the different parameters when you add a new partition.
- Q4)** Write the necessary steps to create the boot disk and booting.
- Q5)** Explain the features of GNOME Configuration Tool.
- Q6)** Write the necessary steps to install a new package and uninstall a package with Red Hat Package Manager.

Q7) Explain the different command-line user management tools to perform the same action performed by the GUI tool.

Q8) What are the various tasks that are performed by **LinuxConf** package?

Q9) Write the steps to install a binary package in TAR format.

Q10) Explain any five commands available in the **/etc/printcap** File for each printer.

Q11) Discuss peripheral tools that work along with **lpd** as clients.

Q12) Describe various options that can be used in conjunction with the **mount** command's **-o** option.

Q13) Explain the three tools : **quotacheck**, **repquota**, and **quota** to manage the quotas.

