MCA–2014
LINUX OPERATING SYSTEM
Paper Code (MCA-205)
Paper Id. [B0137]

Note: Attempt five questions in all. Select one question each
From Section (A to D). Section E (Question no. 9) is Compulsory.
Each Question is of 20 Marks.

Max Marks: 100
Time:3hrs

Section A

Q1:(a)	What is Linux? List out the steps of installing Linux in detail.	(10)
(b)	What are the duties and capabilities of Super Users?	(10)

Q2: (a)	Compare and contrast Multi-processing and multi-threading in Linux.	(10)
(b)	What is File System? Explain the Directory Structure of Linux.	(10)

Section B

Q3: (a)	Explain the installation and uninstallation of a new Package using dpkg and RPM.	(10)
(b)	How Groups and Users can be manipulated using LinuxConf?	(10)

Q4: (a)	Discuss the /etc/group, /etc/passwd and /etc/shadow files.	(10)
(b)	Explain the use of setUID and setGID.	(10)

Section C

Q5 :(a)	Broadly Explain different Editors of Linux.	(10)
(b)	Write a short note on File and Directory Permissions.	(10)

Q6 :(a)	Compare and contrast Pipes and Redirection.	(10)
(b)	How Files and directory Permissions can be changed in Linux?	(10)

Section D

Q7: (a)	Explain Booting and Shutting Down mechanism of Linux.	(10)
(b)	What is Network File System? How File Systems can be managed?	(10)

Q8:(a)	Explain syslogd Daemon and cron in detail. .	(10)
(b)	What is lpd? Explain in detail with suitable examples.	(10)

Section E

(Compulsory Question)

Q9:   Write short notes on following with help of example/diagram if needed:

(a) Korn Shell   (2)
(b) System Call   (2)
(c) RPM   (2)
(d) man command   (2)
(e) Cron   (2)
(f) GNOME   (2)
(g) su command   (2)
(h) KDE   (2)
(i) Dual-Booting   (2)
(j) Fedora Package Manager   (2)

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