MCA (Sem.–2nd) (2012 Batch)
LINUX OPERATING SYSTEM
Subject Code : MCA-205
Paper ID : [B0137]

Time : 3 Hrs.   **Max. Marks : 100**

INSTRUCTION TO CANDIDATES :
1. **SECTIONS-A, B, C & D contains TWO questions each carrying TWENTY marks each and students has to attempt any ONE question from each SECTION.**
2. **SECTION-E is COMPULSORY carrying TWENTY marks in all.**
3. Use of non-programmable **scientific calculator** is allowed.

SECTION-A

1. What are various types of operating systems? Explain the salient features
em.

2. Explain the Linux systems calls and architecture of Linux.

SECTION-B

3. What is the purpose of startup script in linux OS? Explain the user management tools with its functioning.

4. What is the utility of Fedora Package Manager? Explain the procedure to install and remove packages and driver from linux OS.

SECTION-C

5. What is the role of BASH? What are various BASH commands? Explain the utility of shell.

6. What are various editors available in Linux? Explain any one with its features and modes.

SECTION-D

7. How we install multiple operating systems along with Linux? Explain the procedure to install new kernel to boot.

8. (a) Explain any two core system services of Linux.

   (b) Explain the utility of Ipd with its features.

SECTION-E

9. (a) What is LILO?

   (b) Why we use KORN?

   (c) What do you mean by change ownership?

   (d) What do you mean by Network OS?

   (e) What is the use of Kernel?

by load sharing and how it is implemented in
                    Linux?

   (g) What is Multiprocessing?

   (h) What are the capabilities of super computer?

   (i) What are the features of Xwindows?

   (j) What is the difference between user and group?