

Roll No.

**5th Semester,
Examination-2014**

MCA-11 (Master of Computer Applications)

MCA-20A (ELECTIVE-I)

Linux System Administration

Time : 3 Hours

Maximum Marks : 60

Note : The question paper is divided into three sections A, B and C. Give the answer according to the directions given in each section.

Section-A

(Long Answer Type Questions)

Note : Answer any two questions. Each question carries 15 Marks.

(2×15=30)

1. Describe Linux operating system and explain the structure of Linux in detail.
2. What are the various configuration methods of LINUX Kernel? Describe in detail.

3. What is Vi editor? Explain the various modes of Vi editor.
4. Explain the difference between Linux and UNIX in detail.

Section-B

(Short Answer Type Questions)

Note : Answer any four questions. Each question carries 5 Marks.

(4 × 5 = 20)

1. Differentiate between Windows and Linux Operating System.
2. What are the various types of Linux commands ?
3. Explain File System of LINUX Operating System.
4. Discuss Linux utilities.
5. What is root directory ?
6. Write short note on the following:
 - (a) Kernel
 - (b) Shell
7. What are the advantages of using Linux operating system ?
8. Explain Linux architectural designs and concepts.

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Section-C

Objective Type Questions (Compulsory)

Note : Answer all questions. Each question carries 1 Mark.

(10 × 1 = 10)

1. What command do you use to create Linux file system ?
- (A) fdisk (B) mkfs
(C) fsck (D) mount
(E) None of the above
2. Which of the following commands can you execute to count the number of lines in a file ?
- (A) Lc (B) wc-l
(C) cl (D) count
(E) None of the above
3. Which of the following is not a communication command ?
- (A) Grep (B) Mail
(C) Mesg (D) Write
(E) None of the above
4. What command is used with vi editor to replace text from cursor to right ?
- (A) S (B) s
(C) R (D) r
(E) None of the above
5. What command is used to sort the lines of data in a file in alphabetical order ?
- (A) sort-r (B) st
(C) sh (D) sort
(E) None of the above

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6. Linux was developed with the help of :
- (A) Unix (B) Dos
(C) Window (D) None of the above
7. Linux is:
- (A) Multi-tasking Operating system
(B) Multi-user Operating system
(C) Multi-processing Operating system
(D) All of the above
8. What command is used with vi editor to save file and remain in the editing mode ?
- (A) x (B) q !
(C) :w (D) :q
(E) None of the above
9. What command is used to list contents of directories ?
- (A) tar (B) dir
(C) lp (D) ls
(E) None of the above
10. What command is used with vi editor to move back to the beginning of a word ?
- (A) w (B) e
(C) a (B) b
(E) None of the aboe