MCA-21

December - Examination 2017

MCA IIIrd year Examination

Linux System Administration

Paper - MCA-21

Time : 3 Hours]   **[Max. Marks :- 80**

Note: The question paper is divided into three sections A, B and C. Write answers as per the given instructions.

Section - A   **8 × 2 = 16**

(Very Short Answer Questions)

Note: Answer **all** questions. As per the nature of the question delimit your answer in one word, one sentence or maximum up to 30 words. Each question carries 2 marks.

1) (i) Define operating system.

(ii) What is the significance of PID and PPID?

(iii) What is the soft and hard links?

(iv) What do you mean by super user?

(v) How do you split a long command sequence into multiple lines?

(vi) What do you understand by proxy server?

(vii) Writer the name of types of files?

(viii) What do you understand by init process?

Section - B $4 \times 8 = 32$
(Short Answer Questions)

Note: Answer **any four** questions. Each answer should not exceed 200 words. Each question carries 8 marks.

2) Explain the X windows System. How it is different from other Windows?

3) Explain the various permission used for files and directories in Linux.

4) Explain the DHCP server.

5) Explain the difference between compression and archiving.

6) Explain about Linux standard libraries.

7) Discuss the common administrative tasks.

8) Explain the configuration of a SSH server and client.

9) Distinguish the Bourne Again Shell, Korn Shell, Bash and C Shell.

Section - C $2 \times 16 = 32$

(Long Answer Questions)

Note: Answer **any two** questions. You have to delimit your each answer maximum up to 500 words. Each question carries 16 marks.

10) Explain the installation and configuration of web server.

11) Explain architecture of Linux system.

12) Explain installation and configuration of a LAN.

13) Explain the Linux file system with boot block, super block, inode table and data block.

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