MCA-305

June - Examination 2019

MCA III Year Examination

Linux Administration System

Paper - MCA-305

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

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

Section - A $8 \times 2 = 16$

(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 upto 30 words. Each question carries 2 marks.

1) (i)   Give the definition of Kernel.

(ii) What is the use of Live CD?

(iii) What is GIMP?

(iv) Name any two types of Shell.

(v)   Which command is used to find the block size on your file system in LINUX?

(vi) What is the use of man command in Linux? Give an example.

(vii) How to put a comment in Shell programming in Bash?

(viii) Which file is used by Linux distribution to store the encrypted user password?

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 difference between Free Software and Open Source Software.

3) What is Debian Linux? Explain Debian architecture.

4) Briefly explain LILO and GRUB boot loader.

5) Explain the procedure of booting process in Linux with an example.

6) Describe the following file commands in Linux with example:- (a) grep (b) tail.

7) What do you mean by proxy server? What are the advantages and disadvantages of proxy server?

8) Explain different email Protocols with their functions.

9) Write short note on Network Sniffing.

Section - C $2 \times 16 = 32$

(Long Answer Questions)

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

10) What is LINUX? Explain the basic features of LINUX in detail.

11) Enlist the common administrative tasks in System Administration? Explain some common administrative tasks of Linux Operating System with suitable examples.

12) Explain various conditional statements in Shell Scripting with suitable examples.

13) Write short note on the following:

    a.   File reconfiguration hardware with kudzu.

    b.   KDE (K Desktop Environment)

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