

**MCA-305**

June – Examination 2020

**MCA (III Year) Examination****Linux Administration System****Paper : MCA-305***Time : 3 Hours ]**[ Maximum Marks : 80*

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

**Section-A****8×2=16****(Very Short Answer Type 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) Give the difference between GUI and CGI.
- (ii) What is the full form of BIOS ?
- (iii) How are Super Users ?
- (iv) What is the meaning of the command :  
\$ kill 2673 ?

- (v) Name *two* primary protocols used by e-mail client applications to retrieve e-mail from mail servers.
- (vi) What is the use of 'dpkg' command ? Give an example.
- (vii) What is NAT (Network Address Translation) ?
- (viii) Which file is used by Linux distribution to store the encrypted user passwords ?

**Section-B** **4×8=32**

**(Short Answer Type Questions)**

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

2. Explain the main issue of user management in LINUX.
3. Describe the general steps of LINUX installation on a machine having windows already installed.
4. Explain the basic features of LINUX in brief.
5. Which are the network configuration files that are required to be changed while setting up a system or moving the system ? Explain.
6. What is Samba ? What is the server message block ? Explain.

7. Explain the process of backup and restore the files in LINUX.
8. Explain the LINUX Hierarchical file system in brief.
9. How will you create a LAN between three machines, one of which is having only WiFi connectivity ? State your assumptions to do it.

**Section-C** **2×16=32**

**(Long Answer Type Questions)**

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

10. What are the different Linux distributions ? Explain each in brief.
11. What is the role of Shell programming ? Explain various conditional statements in Shell programming with suitable examples.
12. Describe the following file commands in Linux :
 

(a) pwd	(b) head
(c) top	(d) netstat
13. Write short notes on the following :
 

(a) GRUB	(b) KDE
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