

MCA-305

June – Examination 2022

MCA (I Year/III Year) Examination

Linux Administration System

Paper : MCA-305

Time : 1½ Hours]

[Maximum Marks : 80

Note :- The question paper is divided into two Sections A and B. Write answers as per the given instructions.

Section-A

4×4=16

(Very Short Answer Type Questions)

Note :- Answer any *four* 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 4 marks.

1. (i) What is the purpose of 'man' command ?
Give example.
- (ii) Give any *two* differences between absolute path and relative path. Give an example.
- (iii) Give a brief overview of LINUX.
- (iv) Give the usage of GIMP.
- (v) What is the function of *whoomi* command ?
- (vi) What is NFS ? Explain with examples.
- (vii) What do you mean by the Zombie and Orphan process ?
- (viii) Explain etc password configuration file.

Section-B

4×16=64

(Short Answer Type Questions)

Note :- Answer any *four* questions. Answer should not exceed **200** words. Each question carries 16 marks.

2. What is mechanism of a pipe in Unix ? Explain with suitable examples.
3. Write a shell program to find the smallest number among three numbers.
4. What is the purpose of LILO boot manager ?
Write the method of installing and updating LILO.
5. Write a short note on the vi editor.
6. Explain Apache Web Server with its features.
7. Describe the following file commands in Linux :
 - (a) grep
 - (b) sudo
 - (c) cat
 - (d) more
8. Explain e-Mail services and its components.
9. What is DHCP ? How is it configured ? Explain in detail.