

10. Explain the commands which are used to change the permission in detail with suitable examples.
11. What is Network file system ? Explain in detail. Explain the *two* important NFS configuration files for using the features of NFSv4.
12. Describe the following file commands in Linux :
- (a) awk
 - (b) kill
 - (c) unzip
 - (d) more
13. Write short notes on the following :
- (a) LILO
 - (b) X-windows system

MCA-305

December – Examination 2022
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 the 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) What is the purpose of *init* process ?
- (ii) Give any *two* differences between UNIX and LINUX.
- (iii) Give the description of any *two* wild card character in shell programming.
- (iv) What is the use of ping command ?
- (v) What is the function of *chmod* command ?
- (vi) What is GNU ?
- (vii) What do you mean by Network Sniffing ?
- (viii) List any *four* usage of a mail server.

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. What are the different types of shells in Linux ?
Explain.
3. Write a shell program to find the addition of 10 numbers.

4. How to find the process ID of a program (say firefox) running on your machine ? Write the command to close the program using command line. Explain the steps briefly.
5. Write a short note on the GIMP.
6. Discuss the importance of NIS. Explain Daemons and processes associated with NIS.
7. Describe the following with reference to Linux file system :
 - (a) Inode
 - (b) Blocks
8. What is POP3 ? What is IMAP4 ? Explain and compare them.
9. Explain the booting process of the Linux operating system in detail.

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.