

7. Describe the following shell script commands in

Linux :

(a) diff

(b) grep

(c) if...fi

(d) tar

8. Explain how we are creating group and how new user accounts are added to the groups using suitable examples.

9. What is a DHCP server ? Explain how it is configured.

## MCA-305

December – Examination 2021

### 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 Linux ? Write any *four* features of Linux.
- (ii) What is the sudo command ?
- (iii) Differentiate between Root User and Normal User.
- (iv) What is the purpose of the shadow password files ?
- (v) Which command is Linux used to test a network connection ?
- (vi) What is the difference between GUI and command line ?
- (vii) What do you mean by Portability ?
- (viii) What is the full form of :
  - (a) DHCP
  - (b) GNU ?

**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 are user management features available in Linux ? Explain.
3. Explain the working of shell and kernel with examples in detail.
4. What is KDE ? Explain. What you understand by updating with KDE ?
5. How is the shell script created and executed ? Explain the steps with examples.
6. Explain various networking utilities in Linux with clear syntax, few options and examples.