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Theoretical Exam:                                                                               Each question has 1 mark

1. What is Open Source Operating System?  
Open source means freely available to every one .it is free of cost and essy to use.

2. List default text editors of terminal.  
vi or vim and nano text editor

3. What is the use of "tail" command?  
tail command use for show the last 10 line of file.

4. Which command is used to print current/working directory?  
$pwd is use to print current/working directory.

5. Which command is used to know IP address of system?  
$ifconfig command use for the getting ip address of system.

6. What is "/home" folder?  
this is the place for users home directory.

7. Write down the path of apache configuration file.  
/etc/apache2/apache2.conf

8. In which folder MySQL & Apache error log has been saved?

/var/log/mysql/erroe.log  
var/log/apache2/error.log

9. "chmod 757 test.php" What is "7" stands for?  
7 stands for it has all permitions read, write and execute.

10. Which command is used to change group ownership of file/directory?

$ sudo chgrp newname file/directory.

11. What is "sudo" user?

Sudo is used to show super user. Using sudo user perform the admin’s task.

12. Write a command to create ubuntu user.

$ sudo adduser newusername.

13. Which ports are used by Apache and MySQL?

Port80 and port 443 is used Apache and Mysql.

14. Write a command to restart "Apache & MYSQL" server.

$ sudo service apache2 restart

$ sudo service mysql restart

15. Write a ssh command for making connection on 192.168.1.115. Use "plus91" as a user.

$ ssh plus91 @ 192.168.1.115

Practical Exam:

1. Write a script to find running version of "Apache, MySQL, PHP and Ubuntu".

           3 Marks

$ vi script.sh

sudo apache2 -v

sudo php -v

sudo cat etc/os-relea

sudo mysql -v

sudo /.script.sh

2. Write a script to generate all database backup. Backup file path should be  "/var/www/all\_db\_backup.sql".                                      3 Marks  
  
  
atul@DESKTOP-I39NI5C:~$ vi backup.sh

#!/bin/bash

sudo mysqldump -u root -h localhost -p mydatabase > all\_db\_backup.sql

~   
atul@DESKTOP-I39NI5C:~$ sudo chmod u+x backup.sh  
  
atul@DESKTOP-I39NI5C:~$ sudo ./backup.sh

3. Make a cronjob to run database backup script everyday at 11:30 PM.                               2 Marks  
  
atul@DESKTOP-I39NI5C:~$ sudo service cron start

crontab -e

0 11 \*/ \* \* sudo service apache2 restart

o/p crontab: installing new crontab

4. Install "teamviewer\_linux\_x64.deb" through terminal. "teamviewer\_linux\_x64.deb" is kept on "temp" folder.                              2 Marks

atul@DESKTOP-I39NI5C:~$ mkdir temp

atul@DESKTOP-I39NI5C:~$ cd temp

atul@DESKTOP-I39NI5C:~/temp$ sudo dpkg teamviewer\_linux\_x64.deb

or

wget http://www.teamviewer.com/download/teamviewer\_linux\_x64.deb