

Seat No. : _____

MA-107

March-2019

B.C.A., Sem.-V

CC-301 : Open Source Operating System

Time : 2:30 Hours]

[Max. Marks : 70

1. (a) Answer the following :

(i) What are the problems faced with Windows OS ? Also discuss : The benefits of Linux OS. 7

(ii) Explain : Configuring Bluetooth and Sound Card. 7

OR

(i) What are the different types of Printers ? How can we configure a network Printer ?

(ii) Write a note on important Desktop Elements in Ubuntu.

(b) Answer any **four** : 4

(1) Ubuntu is an ancient African word which means : _____

- | | |
|------------------------|-----------------------|
| (a) Humility to others | (b) Humanity to world |
| (c) Humanity to others | (d) Humility to world |

(2) The boot loader known as _____ is a separate program that starts Ubuntu.

- | | |
|----------|---------|
| (a) GRUB | (c) GNU |
| (b) GIMP | (d) GPL |

(3) Using _____ tool, you can switch between virtual desktops.

- | | |
|--------------------|------------------------|
| (a) Network server | (b) Workspace Switcher |
| (c) Home Folder | (d) None of the above |

(4) Using _____, all the computers on the network are connected by cabling to a central hub or router.

- | | |
|-------------------|-----------------------|
| (a) Ethernet card | (b) Data card |
| (c) Sound card | (d) None of the above |

(5) Name any two Linux distributions.

(6) What is meant by instant messaging ?

2. (A) Answer the following :
- (i) How can we alter the theme and change Wallpaper in Ubuntu ? 7
 - (ii) Explain the different configuration option to personalize login. 7

OR

- (i) Explain the steps to create a shortcut and a link. Also explain the power saving feature of Ubuntu.
- (ii) Explain : Configuring Keyboard settings.

- (B) Answer any **four** : 4

- (1) _____ users have limited access to files and what they can do in Ubuntu.
 - (a) Smart (b) Ordinary
 - (c) Root (d) None of the above

- (2) The _____ setting controls how quickly the acceleration kicks in when you first move the mouse.
 - (a) Sensitivity (b) Threshold
 - (c) Acceleration (d) None of the above

- (3) A shortcut is known as _____ in Ubuntu.
 - (a) Launcher (b) Link
 - (c) Theme greeter (d) None of the above

- (4) Using the _____ tab, you can alter the rate of key repeat.
 - (a) Layouts (b) Typing break
 - (c) Layout options (d) Keyboard

- (5) Who is a super user in Linux ?
- (6) How can we delete a menu from a Panel ?

3. (A) Answer the following :
- (i) Explain the concept of different types of users and file permissions in Linux. 7
 - (ii) What is Bash Shell ? Explain the commands to list files, copy files, creating directory and changing directory giving suitable examples. 7

OR

- (i) Write a detailed note on Nautilus.
- (ii) Write a detailed note on Mounting.

- (B) Answer any **three** : 3
- (1) _____ command manually searches through all the files on the hard disk.
(a) Locate (b) Whereis
(c) Less (d) Find
 - (2) _____ command is used to move and rename files in Linux.
(a) mkdir (b) mv
(c) md (d) All of the above
 - (3) BASH stands for _____
(a) Born Against Shell (b) Bourne Against Shell
(c) Bourne Again Shell (d) None of the above
 - (4) Name any two commonly used shell's other than BASH shell.
 - (5) Which command is used to get help in Ubuntu ?

4. (A) Answer the following :
- (i) Discuss the concept of Piping and Redirection. 7
 - (ii) What is Process ? Explain the various fields describing the process. How can a user kill a process in order to terminate it manually ? 7

OR

- (i) What is meant by filters in image-editing programs ? Explain GIMP filters for image-editing.
 - (ii) What is meant by cropping, cloning and sharpening of image.
- (B) Answer any **three** : 3
- (1) The processes created by the main process are known as _____ process.
(a) Child (b) Parent
(c) Zombie (d) None of mentioned
 - (2) _____ tool removes facial blemishes.
(a) Blur (b) Clone
(c) Enhance (d) Noise
 - (3) _____ mode is used to type your own text or edit text in VI editor.
(a) Insert (b) Command
(c) Command-line (d) All of the above
 - (4) What is meant by Codecs ?
 - (5) Explain *cat* command in brief.
- _____

