

N12-106

November-2014

Third Year BCA (CBCS) (Sem. –V)

CC-301 : Open Source Operating System

Time : 3 Hours]

[Max. Marks : 70

1. (a) (i) Write a note on : Benefits of Linux Operating System. **4**
(ii) Discuss the problems with Windows Operating System. **3**
- OR**
- (i) How can we configure a network using static IP Address ?
(ii) Discuss any two desktop elements of Ubuntu.
- (b) (i) Write the steps to configure Bluetooth in Ubuntu. **4**
(ii) Write a note on Workspace Switcher. **3**
- OR**
- (i) Write the steps to configure a Scanner under Ubuntu.
(ii) Write the steps to configure a Local Printer under Ubuntu.
2. (a) (i) Write the steps to configure mouse under Ubuntu. **4**
(ii) Discuss : Windows Vs. Linux Security. **3**
- OR**
- (i) How can we add and remove desktop items under Ubuntu ?
(ii) How can we create a link on Ubuntu desktop ?
- (b) (i) How can we change the keyboard settings in Ubuntu ? **4**
(ii) Discuss about the root and ordinary users in Ubuntu. **3**
- OR**
- (i) How can we alter the theme and wallpaper under Ubuntu ?
(ii) Discuss the power saving features in Ubuntu.
3. (a) (i) Write a note on : Nautilus Browser **4**
(ii) Write a short note on : Bash Shell **3**
- OR**
- (i) Discuss the file permissions in Linux.
(ii) Explain mounting in Linux.

- (b) (i) List and discuss the following Linux commands giving example : 4
- Listing files
 - Deleting files
 - Creating directory
 - Moving files
- (ii) Discuss the find and locate command. 3
- OR**
- (i) Write a note on File System in Ubuntu.
- (ii) How can we alter permission on a file ? Explain giving example.
4. (a) (i) Explain the following Linux Commands giving example
cat, less, head, tail 4
- (ii) What is meant by cropping and cloning of image ? 3
- OR**
- (i) Explain the different modes of vi editor.
- (ii) How can we edit images with the GIMP ?
- (b) (i) Explain : Piping and Redirection. 4
- (ii) What are the applications used for watching videos and playing music files ? 3
- OR**
- (i) Discuss any four GIMP filters. 4
- (ii) Explain the use of grep command giving example. 3
5. (a) State whether True or False. 7
- (1) Linux doesn't need antivirus programs, because there are virtually no Linux specific viruses.
 - (2) To change a system font, select Places->Preferences->Font option.
 - (3) A root user can delete, modify or view any files.
 - (4) Linux operating system always uses a backslash [\] instead of forward slash [/] in file path names.
 - (5) BASH stands for Bourne Again Shell.
 - (6) Sharpen filter is used to remove any extraneous details outside the focus of the image.
 - (7) Music playback under Ubuntu is handled by Rhythm box player.

(b) Fill in the blanks :

- (1) The _____ menu is equivalent to Windows My Computer.
- (2) Scanning within Ubuntu is handled by _____ utility.
- (3) Ubuntu's nearest equivalent to Windows style desktop shortcut is known as _____.
- (4) _____ command is used to locate, where programs are stored in your system.
- (5) _____ processes are those that are children of processes that have terminated.
- (6) The software that handle the encoding and decoding of digital music files is known as _____.
- (7) The default file browser in Ubuntu is _____.

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