NI-106

November-2013

T.Y.B.C.A. (Semester-V)

CC-301 : Open Source Operating System

Time : 3 Hours]   **[Max. Marks : 70**

1. (A) (1) Write about Linux Operating System.   **4**
   (2) Discuss about the desktop elements of Ubuntu.   **3**

   OR

   (1) Discuss the benefits of Linux.   **4**
   (2) Discuss about the Virtual Desktop in Ubuntu.   **3**

   (B) (1) Discuss the three types of printer that can be configured in Ubuntu.   **4**
   (2) State the difference between Proprietary and open source.   **3**

   OR

   (1) Write about how to configure the following hardware devices in Ubuntu :   **4**
   - Bluetooth
   - Wireless network
   (2) Discuss how to configure e-mail and instant messaging in Ubuntu.   **3**

2. (A) Answer any **three :**   **12**
   (1) Explain how do we change the theme and wallpaper in Ubuntu.
   (2) Discuss the options available for mouse configuration.
   (3) How do we add and remove the desktop items in Ubuntu ?
   (4) Discuss the options available while configuring keyboard.

   (B) Write about root and ordinary users in Ubuntu.   **2**

   OR

   Discuss about Windows vs. Linux security.

3. (A) (1) Discuss the Nautilus browser in Ubuntu.   **4**
   (2) Write about the file system in Ubuntu.   **3**

   OR

   (1) Discuss the find command.   **4**
   (2) Explain Bash shell.   **3**

   (B) (1) Discuss the Linux commands used to perform the given function with example :   **4**
   (a) Create directory
   (b) Delete directory

      (2)   Write the command to alter the permission for the following : **3**

          (a)   Everyone on the system can read and write the file "myfile".

          (b)   Set the owner of file "myfile" to ABC.

          (c)   Give all the read, write and execute rights to user and group to file "myfile".

<div align="center">**OR**</div>

      (1)   Discuss File permissions in Linux giving examples. **4**

      (2)   Discuss Mounting in Linux. **3**

4.   (A) (1)   Explain cat command giving example. Also discuss less and more command. **4**

          (2)   Explain head and tail commands with examples. **3**

<div align="center">**OR**</div>

         Explain the different modes and the commands of vi editor. **7**

    (B) (1)   What is Process ? Discuss the various fields describing the process. **4**

          (2)   Explain the use of grep command. **3**

<div align="center">**OR**</div>

      (1)   Discuss GIMP. What are filters ? Discuss some filters of GIMP. **4**

      (2)   Discuss the applications used for the following : **3**

          (a)   Playing music files

          (b)   Watching videos

5.   (A) Fill in the blanks : **7**

      (1)   In Linux, _____ is the central set of programs that run the PC on a low level.

      (2)   _____ command is used to list the files in current directory.

      (3)   GPL stands for _____.

      (4)   _____ processes are those that are children of processes that have terminated.

      (5)   The default file browser in Ubuntu is _____.

      (6)   WEP stands for _____.

      (7)   BASH stands for _____.

    (B) State whether true or False : **7**

      (1)   Linux operating system is available free of charge.

      (2)   The root directory in Ubuntu is referred by /.

      (3)   Filenames in Ubuntu are case-insensitive.

      (4)   A local printer is the one that is not directly connected to any computer.

      (5)   Ubuntu has more than one desktop area.

      (6)   Echo command is used to print something on screen.

      (7)   The root user account in Ubuntu is also referred to as superuser.