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ND—16—2023

FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc. (CS) (Third Year) (Sixth Semester) EXAMINATION

NOVEMBER/DECEMBER, 2023

(CBCS/Revised Pattern)

COMPUTER SCIENCE

(Linux Administration)

(Monday, 4-12-2023)   **Time : 10.00 a.m. to 1.00 p.m.**

Time—Three Hours   *Maximum Marks*—75

N.B. :—   (*i*)   *All* questions are compulsory.

       (*ii*)   Draw neat labelled diagram wherever necessary.

1.   Attempt any *five* of the following (**3** marks each) :   15

   (*a*)   Explain managing groups in Linux.

   (*b*)   How to Boot Linux into the default run level ? Explain.

   (*c*)   Explain using kill command to control the processes.

   (*d*)   Explain backup strategy in Linux.

   (*e*)   Explain disk quotas in detail.

   (*f*)   Explain Network file system in Linux.

   (*g*)   Explain scheduling tasks in Linux.

                                             P.T.O.

2. Attempt any *three* of the following (**5** marks each) : 15

    (*a*) How to managing user accounts in Linux ? Explain.

    (*b*) Explain managing user's permissions in Linux.

    (*c*) How to managing user's passwords in Linux ? Explain,

    (*d*) How to controlling services at Boot time using Administrative Tools ?

    (*e*) Explain Starting and Stopping Linux Services Manually.

3. Attempt any *three* of the following (**5** marks each) : 15

    (*a*) What are the Console-Based Monitoring tools ? Explain.

    (*b*) Explain Graphical Process and System Management Tools.

    (*c*) Explain KDE Process and System Monitoring Tools.

    (*d*) What are Backup Hardware and Media in Linux ? Explain.

    (*e*) Explain Backup Software in Linux.

4. Attempt any *three* of the following (**5** marks each) : 15

    (*a*) Explain Advanced Wireless Networking.

    (*b*) Explain Dynamic Host Configuration Protocol.

    (*c*) How to Setting Up a Telnet Server ? Explain.

    (*d*) How to Setting Up an SSH Server ? Explain.

    (*e*) Explain installation steps of Apache Server.

5.   Attempt any *three* of the following (**5** marks each) :   15

   (*a*)   How to Start and Stop Apache Server ? Explain.

   (*b*)   How to Configuring Samba with SWAT ? Explain.

   (*c*)   How to Creating and Configuring Local Printers ? Explain.

   (*d*)   Explain Configuring and Managing Print Services.

   (*e*)   Explain Network Printers in Linux.