This question paper contains **2** printed pages]

SF—34—2022

FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc. (C.S.) (Third Year) (Fifth Semester) EXAMINATION

JUNE/JULY, 2022

(CBCS/Revised Pattern)

BASICS OF LINUX

Paper (BCS-504-B)

(Monday, 4-7-2022)   **Time : 9.30 a.m. to 1.15 p.m.**

Time—3.45 Hours   *Maximum Marks—75*

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

      (ii) Figures to the right indicate full marks.

      (iii) Draw neat labelled diagrams wherever necessary.

1. Solve the following (any *five*) :   15

      (a) Explain advantages of Linux.

      (b) Explain the difference between Linux and UNIX.

      (c) Explain file processing commands.

      (d) Explain the process of sending files to the printer.

      (e) Explain VI editor.

      (f) Explain how to change file ownership.

      (g) Explain how to set the system clock.

2. Solve the following (any *three*) :   15

      (a) Explain how to grant access to files.

      (b) Explain functions of the operating system.

      (c) Explain features of Linux.

      (d) Explain how to maintain a user account and change passwords.

      (e) Explain the type of processes and how to kill the process ?

                                           P.T.O.

3. Solve the following (any *three*) : 15

    (*a*)   Explain communication utilities in Linux.

    (*b*)   Explain commands for file and directories.

    (*c*)   Explain different options and expressions for grep.

    (*d*)   Explain X windows system.

    (*e*)   Explain KDE and GNOME desktop environment.

4. Solve the following (any *three*) : 15

    (*a*)   Explain inittab.

    (*b*)   Explain print spool directory.

    (*c*)   Explain boot loader.

    (*d*)   Explain history and development of Linux.

    (*e*)   Explain installation steps of Linux.

5. Solve the following (any *three*) : 15

    (*a*)   Explain different modes and working with VI.

    (*b*)   Explain how to make a file read only.

    (*c*)   Explain input mode and switching with Ex mode.

    (*d*)   What is the process ? Explain ps command.

    (*e*)   Explain the process of locating unused files.