Bachelor of Vocation Second Semester (Software Development) (3 Years Degree Course) (Semester Pattern) Examination

SKILL DEVELOPMENT COMPONENT

(Operating System Concepts & Linux)

Paper—IV

Time : Three Hours]   [Maximum Marks : 70

N.B. :— (1) **ALL** questions are compulsory.

(2) All questions carry equal marks.

EITHER

1. (A) What is an operating system ? Write functions of operating system.   7

   (B) What is process ? Write procedure to create and terminate process.   7

   OR

   (C) Explain memory management of operating system.   7

   (D) What is segmentation ? Explain segmentation with paging.   7

   EITHER

2. (A) Explain the management system with different file accessing methods.   7

   (B) Write short notes on :

       (i) I/O Hardware

       (ii) I/O Buffering.   7

   OR

   (C) Explain how file space management done in operating system.   7

   (D) Explain Disk Cache in operating system.   7

   EITHER

3. (A) What is Linux Operating System ? What are the features of Linux Operating System ?

                                                                                          7

   (B) Explain directory structure of Linux.   7

OR

(C) Explain the following command with proper syntax :

   (i)   IS

   (ii) CP

   (iii) Cat

   (iv) rm.   7

(D) Write a short note on Vi editor.   7

EITHER

4. (A) Write a procedure to create additional free disk space in Linux.   7

   (B) Write short notes on the following utilities :

      (i)   who

      (ii) who am i

      (iii) mesg.   7

OR

   (C) Write a short note on process of setting system clock.   7

   (D) Explain management of disk space in Linux.   7

5. (A) Differentiate between Logical Vs Physical address space.   3½

   (B) What is Disk I/O ?   3½

   (C) Explain Logging In and Logging Out process in Linux.   3½

   (D) What are the utilities available in Linux ?   3½