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B. C. A. (Part II) Examination, 2022
(Old course)
Paper Seventh
Shell Programming in Unix/Linux
(205)

Time : Three Hours]   *[Maximum Marks:50*

Note: Attempt any two parts from each unit. All questions carry equal marks.

Unit - I

1. (a) What is Linux OS? Explain the Architecture of the Linux.

   (b) What is kernel ? Discuss different features of Kernel and Kernel-Shell relationship.

   (c) Describe the following Linux Commands in detail :

   (i)   cp

   (ii) mkdir

   (iii) ls

   (iv) mv

   (v)   grep

UNIT-II

2. (a) What is Text processing ? Explain vi one features of vi Editor.

   (b) What is emacs editors ? Explain the feature of Emacs editor.

   (c) Describe the following :

   (i)   Set Auto Indent

   (ii) Set Number

   (iii) Yanking

UNIT-III

3. (a) What is shell ? Explain the features of a shell.

   (b) Write a shell program to generate a factorial number up to 10 terms.

(c) Describe the following : (any two)

(i) PS1 and PS2

(ii) for....... do

(iii) do....... while construct.

UNIT-IV

4. (a) Explain client Server model of x-windows system.

(b) Write steps to manage file with the KOE

(c) Describe the following (any two):

(i) GNOME File manager

(ii) FVWM

(iii) Microsoft windows verses x-windows

UNIT-V

5. (a) What are the various responsibilities of a system administrator.

(b) discuss the security features of Linux.

(c) Describe the following:

(i) Managing disk space.

(ii) User and group related jobs.