P-827

MCA 20A

Linux System Administration

Master of Computer Application

5th Semester Examination, 2023 (June)

Time : 2 Hours]   **[Max. Marks : 70**

Note : This paper is of Seventy (70) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein. Candidates should limit their answer to the questions on the given answer sheet. No additional (B) answer sheet will be issued.

SECTION–A
(Long Answer Type Questions)

Note : Section 'A' contains Five (05) long answer type questions of Nineteen (19) marks each. Learners are required to answer any Two (02) questions only.

(2×19=38)

1.   Describe in detail about the structure of LINUX. What are the features of Linux operating system?

2. What are the file types available in Linux? Discuss file operators with suitable examples.

3. Describe File times Directory related functions in details.

4. Define vi Editor and explain its modes. Also discuss about the commands used in the vi Editor.

5. How do you use a variable in korn shell? Describe different types of variables used in korn shell.

SECTION–B
(Short Answer Type Questions)

Note : Section 'B' contains Eight (08) short answer type questions of Eight (08) marks each. Learners are required to answer any Four (04) questions only.   (4×8=32)

1. Explain the Evolution of Unix operating system.

2. Discuss the security levels provided in Linux environment. How to change permissions of a file?

3. What is user and group in Linux? Explain the related commands for changing ownership and group.

4. Write about the operations that can be performed on both directories and file.

5. Explain ownership and related System call.

6. Discuss the Process invocation and termination.

7. Write syntax for changing ownership and group name on a given file/s.

8. What information is presented when the following commands are entered?

   (a) cmp

   (b) diff

   (c) comm

   (d) cut

   (e) paste

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