Roll No ....

MCADD-705(1)
M.C.A. (Integrated), VII Semester
Examination, May 2023
Unix and Shell Programming
(Elective - II)
Time : Three Hours

Maximum Marks : 70

Note :   i)   Attempt any five questions.

      ii)   All questions carry equal marks.

1.   a)   Discuss the architecture of UNIX operating system.   7

    b)   Give a General Overview of the UNIX System.   7

2.   Define STAT and FSTAT, PIPES Mounting and un-mounting files system.   14

3.   a)   What are the advantages and disadvantage of buffer cache?   7

    b)   Define The SHELL Inter process Communication and multiprocessor system.   7

4.   a)   What do you understand by shell scripts: shell Bourne shell, C shell and Unix commands?   7

    b)   Discuss the race condition in Assigning Inodes.   7

5. a) What are file system calls and relation to other algorithm in UNIX?   7

   b) Write down salient features of Awk and perl Programming.   7

6. a) Discuss System structure, user perspective of UNIX OS.   7

   b) Discuss various editors in UNIX.   7

7. a) Differentiate between: 7
      i) List and array
      ii) Sed and grep

   b) What is Buffer headers and Scenarios for retrieval of the buffer?   7

8. Write short notes on: 14
   i) Features of LINUX
   ii) Advantages of Sed

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