

# S-726

Total Pages : 3

Roll No. -----

## MCA-20A

**Linux System Administration**

**Master of Computer Application**

5<sup>th</sup> Semester, Examination 2022(Dec.)

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.

### 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 x 19 = 38]

P.T.O.

- Q.1. Describe Evolution of Unix in detail. What are the features of Linux operating system?
- Q.2. Describe File and Directory related functions in details.
- Q.3. Explain the Concept of File descriptor duplicator. Also discuss File Control.
- Q.4. What do you mean by Formatted I/O Temporary Files? Also discuss open, read & write on streams.
- Q.5. Define System call and memory management routines.

### **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 x 8 = 32]

- Q.1. What is I/D multiplexing? Explain.
- Q.2. Write syntax for changing ownership and group name on a given file/s.
- Q.3. What are the advantages of multiprocessor system?
- Q.4. Discuss the security levels provided in Linux environment. How to change permissions of a file?
- Q.5. Briefly explain different types of process in Linux.
- Q.6. Write short notes on LINUX directory structure.
- Q.7. Explain the concept of sharing data among parent & Child using Files.
- Q.8. What do you mean by Signal Concepts? also discuss about Signal handling.

\*\*\*\*\*