Roll No. ⬚⬚⬚⬚⬚⬚⬚⬚⬚⬚⬚⬚   **Total No. of Pages : 02**

Total No. of Questions : 09

MCA (2019 Batch) (Sem.–2)
LINUX OPERATING SYSTEM
Subject Code : MCA-205
M.Code : 26056

Time : 3 Hrs.   **Max. Marks : 100**

INSTRUCTION TO CANDIDATES :
1. **SECTIONS-A, B, C & D contains TWO questions each carrying TWENTY marks each and students has to attempt any ONE question from each SECTION.**
2. **SECTION-E is COMPULSORY consisting of TEN questions carrying TWENTY marks in all.**

SECTION-A

1. What are the various types of operating systems? Explain the features of Linux operating system in detail.

2. Elaborate in detail the services provided by the GNOME and KDE.

SECTION-B

3. What is the significance of Package Manager in Linux? How can one install new packages using dpkg and RPM?

4. Explain the contents of / etc /passwd file, / etc /shadow file and / etc / group file.

SECTION-C

5. List the various permissions used for files and directories in Linux? How can you change the permissions using chmod. chgrp. chown commands?

6. What are the various editors available in Linux? Explain any one with its features and modes.

SECTION-D

7. What is LILO? How is LILO configured? Discuss the LILO options and commands.

8. Explain the steps of booting of Linux operating system. How can you enable or disable services?

SECTION-E

9. **Answer briefly :**

   a. What is multithreading? How multithreading is performed in Linux?

   b. What is Active Directory?

   c. What is a system call?

   d. What are the capabilities of Super Users?

   e. What is a session in Linux operating system?

   f. What are the various methods to get help in Linux?

   g. What is the output of SetUID command?

   h. What is cron program?

   i. What is the purpose of quotacheck?

   j. What is the purpose of startup scripts?

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.