

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

MCA (2013 and 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. What are the different types of users in Linux? How users are created, modified and deleted in Linux? Also write the capabilities of Super Users.

SECTION-B

3. What is the utility of Fedora Package Manager? Explain the procedure to install and remove packages and drivers from Linux.
4. What are the various User Management tools in Linux? Explain various command line management tools for administrating users and groups in Linux.

SECTION-C

5. Differentiate between Bash, Korn and C Shell. Discuss the various BASH commands with examples.
6. What are the various editors available in Linux? Discuss the common facilities offered by these editors.

SECTION-D

7. Explain the Linux file system in detail.
8. Discuss the Linux system five core services.

SECTION-E

9. **Answer the following in brief :**

- A. Which command is used to count the number of users logged in?
- B. What are the special characters used for searching files and path name?
- C. What is Active Directory?
- D. What is the role of KDE control center?
- E. What are the various methods to get help in Linux?
- F. Differentiate between LILO and Grub.
- G. What is Cron Program?
- H. What is the purpose of Su command?
- I. What is the output of SetGID command?
- J. What is the purpose of Repquota?

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