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**Total No. of Pages : 02**

**Total No. of Questions : 07**

**B.Sc. (Information Technology) (Sem.-5)**

**LINUX OPERATING SYSTEM**

**Subject Code : UGCA1935**

**M.Code : 90394**

**Date of Examination : 25-11-2024**

**Time : 3 Hrs.**

**Max. Marks : 60**

**INSTRUCTIONS TO CANDIDATES :**

1. **SECTION-A** is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **SIX** questions carrying **TEN** marks each and students have to attempt any **FOUR** questions.

**SECTION-A**

**1. Write briefly on :**

- a) What is the root directory in Linux?
- b) Explain the difference between a file and a directory in Linux.
- c) What is a shell script?
- d) Define root user in Linux.
- e) What is a terminal in Linux?
- f) How do you change the permissions of a file or directory in Linux?
- g) What is Active Directory?
- h) What are dual booting issues?
- i) How do you create a new directory in Linux?
- j) Briefly discuss KDE basics.

## **SECTION-B**

2. How does Linux command-line interface work? Write some basic commands used.
3. What is the role of the Linux kernel and how does it interact with the rest of the operating system?
4. What are different types of editors used in Linux? Describe vi editor and its commands.
5. What is role of shell in the Linux environment? Describe different Types of shells in Linux operating system.
6. Explain in detail why managing of accounts are important in Linux Administration? What are different types of users in Linux?
7. What are the advantages of using Linux office applications? Name few graphics tools used in Linux operating system.

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