

Assignment – 1 (Based on Modules 1, 2, 3)

Modules Covered:

- ✓ Module 1: Introduction to RHEL
- ✓ Module 2: User and Group Management
- ✓ Module 3: File System Management

Total Questions: 10

Q1. Explain the step-by-step process of installing Red Hat Enterprise Linux (RHEL) in a virtual environment.

Q2. Write any 10 basic Linux commands and explain their usage with examples.

Q3. Describe the directory structure of Linux. Why is it different from Windows?

Q4. What are user accounts and groups in Linux? Explain their importance in system administration.

Q5. Write the commands for creating a user, deleting a user, and modifying a user's home directory.

Q6. Explain file permissions in Linux (r, w, x). How do you change permissions using `chmod`?

Q7. What are disk partitions? Explain the purpose of using tools like `fdisk` and `mkfs`.

Q8. Write the steps involved in creating a new partition and formatting it with a file system.

Q9. Explain Logical Volume Management (LVM). Write commands to create a volume group.

Q10. Differentiate between mounting and unmounting a file system. Provide examples.

