

Test Paper – 2 (TR – 1,2)

Permissions, Manage Packages, Processes, Service & Daemon

Note:- Each Question carry 5 Marks.

Total Marks - 75

1. What is suid,sgid & sticky bit permissions. Explain in brief .
2. (A) The permission -rwSr--r-- represented in octal expression will be?
(B) What is the difference between **t** and **T** when applying the sticky bit Permission?
3. Create a collaborative directory “**/common/admin**” with the following characteristics:
(A) Group ownership of **/common/admin** is sysadmin.
(B) The directory should be readable, writable, and accessible to members of sysadmin, but not to any other user.
(C) Files created in **/common/admin** automatically have group ownership set to the sysadmin group.
4. A user is unable to rename a file in their home directory despite having full permissions on the file. What might be the reason for this issue?
5. Difference between default ACL and recursive ACL. Write the command to set it.
6. You are required to configure the **AlmaLinux 9** repository on your system using the following repository URLs:

- **AppStream:** https://repo.almalinux.org/almalinux/9/AppStream/x86_64/os
- **BaseOS:** https://repo.almalinux.org/almalinux/9/BaseOS/x86_64/os

Before configuring the new repositories, ensure that **all existing repositories are removed** from the system.

Tasks:

1. **Remove all existing repositories** from the system.
2. **Create new repository configuration files** for AlmaLinux 9 AppStream and BaseOS.
3. **Verify that the new repositories are properly configured and working.**

7. (A) Which command lists all installed RPM packages on the system?

(B) Which command provides detailed information about an installed package, including its version and description?

(C) Which command lists all configuration files of **coreutils** package?

8. (A) Install **bind & bind-utils** packages using yum.

(B) Start & Enable it's service. (named.service)

9. What is the difference between **dnf, yum, and rpm** package management tools in RHEL-based systems?

10. (A) What is the difference between `systemctl stop` and `systemctl disable`

Commands?

(B) Write the command to restart the `sshd` service and verify its status afterward.

11. What are jobs. (Processes)

12. (A) What is the difference b/w ps -aux and top.

(B) How to filter out processes by memory utilization.

13. (A) What is the default signal to terminate a process.

(B) What is the signal to forcefully terminate a process.

14. (A) Write shortcut keys to interrupt a process.

(B) How to display that how many users are logged into system.

15. (A) What is zombie process.

(B) How to kill all process running by a particular user .

(C) How to kill all process running in a particular terminal .