Test Paper - 2 (TR- 3,4)

Permissions, Manage Package, Processes, Services & 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 **drwxr-sr--** represented in numeric expression will be.

   (B) What is the difference between **t** and **T** when applying thesticky bit Permission?

3.   (A) Create a directory called **/tmp/techno.**

   (B) Change the group ownership of the **/tmp/techno** directory to the technical.

      Group.

   (C) Set permissions on the **/tmp/techno** directory. On the **/tmp/techno** directory,

      configure setgid , read/write/execute permissions for the owner/user and group,

      and no permissions for other users.

4. A user reports that they cannot delete a file in `/tmp` even though they have write

   permission. What could be the reason?

5. How would you allow a user to have read and execute permissions on a file but not

   modify it, without changing the group ownership?

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 identifies the package that a **/etc/passwd** file belongs to?

   (C) Which command lists all files installed by a **coreutils** package?

8. (A) Install **httpd** packages using yum.

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

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

10. (A) How to list all **enabled** service on your machine.

    (B) How mask **firewalld.service.**

11. (A) How to display load average.

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

12. Define various process states in os.

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

   (B) What is the signal to continue a process.

14. (A) How to get back jobs from background to foreground .

   (B) How to change priority of a running process.

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 .