

Third Semester FYUGP Degree (Reg) Examination November**2025****KU3DSCCAP205 - LINUX SYSTEM ADMINISTRATION**

2024 Admission onwards



Time : 1.5 hours

Maximum Marks : 50

Section A**Answer any 6 questions. Each carry 2 marks.**

1. What is the purpose of the `/etc/fstab` file?
2. What is unmounting?
3. What is the purpose of the `chmod` command in shell scripting?
4. What is the basic command to delete a user account?
5. Define variable in shell programming.
6. Define bootloader?
7. Explain any three basic Linux commands.
8. List major types of shells in Linux.

Section B**Answer any 4 questions. Each carry 6 marks.**

9. Break the history of Linux into parts (origin, milestones, and growth). Explain how each part helped Linux become popular.
10. Demonstrate the concept of shell variables and parameters, providing examples for each.
11. Explain how a boot loader starts the kernel in Linux.
12. Analyze the use of `who` and `id`, `uname` command.
13. Differentiate `bash` and `csh`.
14. Examine the significance of `/.bashrc` in Linux.

Section C**Answer any 1 questions. Each carry 14 marks.**

15. a) Analyze various Run levels.
b) How can we configure run level?
16. a) Design a script that creates multiple users and assigns them to different groups based on user choice.
b) Develop a script to set owner and group for a list of files provided by the user.

Section A

Answer any 6 questions. Each carry 3 marks.

1. What is the purpose of the /etc/passwd file?

2. What is umask?

3. What is the purpose of the chown command in shell scripting?

4. What is the basic command to delete a user account?

5. Define variable in shell programming.

6. Define bootload.

7. Explain any three basic linux commands.

8. List major types of shells in linux.

Section B

Answer any 3 questions. Each carry 6 marks.

9. Break the history of linux into parts (origin, milestones and growth). Explain how each part helped linux become popular.

10. Demonstrate the concept of shell variables and parameters providing examples for each.

11. Explain how a boot loader starts the kernel in linux.

12. Analyse the use of who and id. Name command.

13. Differentiate bash and csh.

14. Examine the significance of /etc in linux.

Section C

Answer any 1 questions. Each carry 16 marks.