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. Demonsstrate 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.