Reg. No ....   Name **22U149**

B C A DEGREE END SEMESTER EXAMINATION : OCTOBER 2022
SEMESTER 1 : MOBILE APPLICATIONS AND CLOUD TECHNOLOGY
COURSE : **19U1CRBCA3 : INTRODUCTION TO LINUX**
(For Regular – 2022 Admission and Improvement / Supplementary - 2021/2020/2019/2018/2017/2016 Admissions)

Time : Three Hours   Max. Marks: 75

PART A
Answer All (1 mark each)

1.   What is the difference between yanking and delete?
2.   When is the dup system call used?
3.   Who developed Linux?
4.   What is kernel mode?
5.   What is the major responsibility of super user?
6.   What do you mean by 'Daemons'?
7.   What is the use of man command?
8.   Which command is used to close the Vi Editor?
9.   Define Zombie process.
10. What is the need of /use/adm file?

$\qquad$ **(1 x 10 = 10)**

PART B
Answer any 8 (2 marks each)

11. What is the difference between write() and read() system call?
12. What is the difference between child process and parent process?
13. Write short note on PCB.
14. How to create a file in Vi Editor? Explain with example.
15. What is root account?
16. Write short note on /etc/passwd file.
17. Describe the following commands: chmod, grep, expr
18. Differentiate between awk and yacc command.
19. List out the major directories branching from the root directory.
20. Distinguish between zz and wq options in Vi Editor.

$\qquad$ **(2 x 8 = 16)**

PART C
Answer any 5 (5 marks each)

21. List out and explain pattern searching commands.
22. Write short note on surrogating the super block and inode table.
23. Explain the different modes in Vi Editor.
24. Explain in detail about any 7 common commands used in Unix Operating System.

25. What are the contents of an Inode block with a suitable diagram?

26. Which commands are used for creating and maintaining user accounts in Linux. Explain with examples.

27. Explain about the attributes of a process.

(5 x 5 = 25)

PART D
Answer any 2 (12 marks each)

28. Elaborate on the structure and layout of process in detail.

29. Explain in detail about the different filter commands in unix with syntax and example?

30. How does unix access files? Explain.

31. Explain in detail various duties that system administrator needs to perform.

(12 x 2 = 24)