B. C. A DEGREE END SEMESTER EXAMINATION - OCT 2020 : FEBRUARY 2021
SEMESTER 1 : MOBILE APPLICATIONS AND CLOUD TECHNOLOGY
COURSE : **19U1CRBCA3 : INTRODUCTION TO LINUX**
(Common for Regular - 2020 Admission and Supplementary/Improvement - 2019 Admissions)

Time : Three Hours   Max. Marks: 75

PART A
Answer All (1 mark each)

1. Expand RPM?
2. What does 'option' represent used with command?
3. What is the prototype of fork() system call?
4. When is the dup system call used?
5. What is the difference between process ID(PID) and Parent PID?
6. Define Zombie process?
7. How to run a command in vi editor?
8. What is the use of wall command?
9. List out the commands used for unix user account management?
10. What is the use of /use/lib file?

(1 x 10 = 10)

PART B
Answer any 8 (2 marks each)

11. Explain different features for securing data in Unix Operating System?
12. Explain the grep command used for searching a pattern with any 4 options?
13. Explain the significance of /bin directory of unix file system?
14. Explain about the following:
    i) Boot block   ii) Super block iii) Data block
15. What is the use of pipe operator? Explain with example?
16. Write short note on signal? Give examples?
17. what are the different options to quit from Vi Editor?
18. Distinguish between i) yanking and pasting ii) yanking and deleting ?
19. Explain about tar command in detail?
20. How to create a file system using mkfs command?

(2 x 8 = 16)

PART C
Answer any 5 (5 marks each)

21. Explain about different wildcard characters with example?
22. What is the need for wc command? Explain its different options of wc command with examples?
23. Explain about the disk related commands?
24. Give the layout of a Unix file system?
25. Elaborate on ps command and its different options?
26. Write short note on working with Vi Editor?
27. What are the major activities performed by system administrator using cron?

(5 x 5 = 25)

PART D
Answer any 2 (12 marks each)

28. List and explain 10 basic unix commands?
29. Explain how the unix access files?
30. Elaborate on the structure and layout of process in detail.
31. List and discuss the duties of system administrator?

(12 x 2 = 24)