

Register No.: Name:

SAINTGITS COLLEGE OF ENGINEERING (AUTONOMOUS)

(AFFILIATED TO APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY, THIRUVANANTHAPURAM)

FOURTH SEMESTER INTEGRATED M.C.A DEGREE EXAMINATION (R), JULY 2022**(2020 SCHEME)****Course Code: 20IMCAT202****Course Name: Linux/Unix Fundamentals****Max. Marks: 60****Duration: 3 Hours****PART A***(Answer all questions. Each question carries 3 marks)*

1. Explain any three features and utilities available in Linux.
2. Write short note on file access permissions.
3. Explain *if...elif* construct.
4. Write the steps in executing a shell script.
5. Comment on redirection in Linux.
6. What is *at* utility?
7. Explain the modes of *cpio* command.
8. Write a short note on MUA and MTA.
9. What are the advantages of RPM packages over traditional packages?
10. Explain *cron* daemon.

PART B*(Answer one full question from each module, each question carries 6 marks)***MODULE I**

11. Explain directory commands in Linux. (6)

OR

12. Explain Linux Architecture with a neat diagram. (6)

MODULE II

13. With the help of an example, explain *while*, *until*, *for* constructs in the Linux operating system. (6)

OR

14. a) Write a short note on editors available in Linux. (4)
b) Write the steps in creating files using the *vi* editor. (2)

MODULE III

15. List and explain any three filters in Linux. (6)

OR

16. a) How do you terminate a background process in Linux? (4)

- b) Illustrate *top* command in Linux. (2)

MODULE IV

17. a) What are the qualities of a good backup? (2)
b) Explain the possible operations with *tar* command in Linux. (4)

OR

18. Which are the commands to communicate with other users in Linux? Explain any two in detail. (6)

MODULE V

19. a) What is Red Hat Package Manager (RPM)? (2)
b) Explain any two basic activities with the *rpm* command. (4)

OR

20. a) Write a short note on electronic mail daemons. (4)
b) What is printing daemon? (2)
