Reg. No :................................

Name :..................................

BCA DEGREE (C.B.C.S.) EXAMINATION, NOVEMBER 2022
2020 ADMISSIONS REGULAR AND 2019, 2018 ADMISSIONS SUPPLEMENTARY
SEMESTER V - CORE COURSE (CLOUD TECHNOLOGY AND INFORMATION SECURITY MANAGEMENT)
BCA5B20B18 - LINUX ADMINISTRATION

Time : 3 Hours   Maximum Marks : 80

Part A

I. Answer any Ten questions. Each question carries 2 marks   **(10x2=20)**

1. Explain the difference between & and &&.

2. What are the types of modes in PC based Linux system?

3. Explain the characteristics of LINUX Commands?

4. Recall the basic features of Linux Systems.

5. Define boot loaders.

6. Expand and Define IPC.

7. Define the purpose of pipes with an example.

8. Differentiate between fork() and kill().

9. Explain Squid proxy services.

10. What is called Dynamic DNS?

11. Write the structure of a regular file and explain.

12. Define Datablock.

Part B

II. Answer any Six questions. Each question carries 5 marks   **(6x5=30)**

13. Write a short note on each of the commands given: a) cat b) head c) tail d) ps e) echo

14. What is a Kernel? Briefly explain its types.

15. Write the steps to set up a network printer?

16. Explain about foreground and background processing.

17. Explain the implementation of pipes and filters with two examples.

18. Explain LDAP.

19. Explain SAMBA.

20. Write a short note on Data Blocks.

21. Difference between chmod and chown commands with example.

Part C

III. Answer any Two questions. Each question carries 15 marks   **(2x15=30)**

22. Explain about the connectivity to a network in details with commands.

23. a. Explain SSH in detail. (10 marks) b. Explain booting process (5 marks).

24. a. Explain the different services in Linux system. (10 marks) b. Explain securing communication in Linux systems. (5 marks).

25. Explain the structure of a file and regular file.