# K23P 3465

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

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

## I Semester M.C.A. Degree (C.B.S.S. – Reg./Supple./Imp.) Examination, November 2023
### (2020 Admission Onwards)
### MCA1C05 : LINUX ADMINISTRATION

Time : 3 Hours                                                                 Max. Marks : 60

### SECTION – A

Answer **all** questions. **Each** question carries **two** marks :

1. What is LILO ?

2. How does GRUB load itself into memory ?

3. List various factors that compromise security of a system.

4. What is meant by a syslog ?

5. What is a named pipes ?

6. How do you create a child process using fork() ?

7. How does DHCP work ?

8. Explain TCP/IP network.

9. Differentiate between MX record and A record.

10. Explain DNS zone.

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## SECTION – B

Answer **all** questions. **Each** question carries **eight** marks :

11. a) What is kernel daemon ? Give examples.

    OR

    b) What are the configurations involved in establishing and maintaining the security of terminals in Linux ?

12. a) What are environment variables ?

    OR

    b) How are system settings configured ?

13. a) Explain steps involved in establishing a TCP socket on server side and client side.

    OR

    b) Explain Network Address Conversion Routines.

14. a) What are the network services that are used to build distributed computing systems ?

    OR

    b) Explain remote booting in detail.

15. a) What is a root domain ? Explain with example.

    OR

    b) How does SMTP work ?