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44 (5) SADL 5.1

2023

**SYSTEM ADMINISTRATION
USING LINUX**

Paper : BCA-5.1

Full Marks : 80

Time : Three hours

**The figures in the margin indicate
full marks for the questions.**

Answer **any eight** questions : $10 \times 8 = 80$

1. Briefly explain the role and power of System Administrator.
2. Explain the Linux file system hierarchy.
3. Explain the system startup and shutdown in Linux.
4. Briefly explain the ls, cd, mv, mkdir, rmdir, cat commands with examples.

5. Explain the procedure of setting user and group ownership of files in Linux with one example.
6. Explain the chmod command with different access permission with examples.
7. Briefly explain the basic commands for starting and stopping process with examples.
8. Explain system monitoring and logging.
9. Briefly explain the different types of IP address with examples.
10. Explain the ifconfig, ping, netstate, traceroute and telnet with examples.