

Duration: 2.5 Hrs.

H412NLOS

Marks: - 75

Note:-

- 1) All questions are compulsory
- 2) All questions carry equal marks
- 3) Figures to the right indicate maximum marks.

Q.1 Attempt any four of the following: (each of 5 marks)

(20 M)

- 1) Describe Linux kernel v/s distribution.
- 2) Explain Linux Architecture.
- 3) Explain "wc" command with options.
- 4) List and explain various types of files in Linux.
- 5) Write a short note on environment variables.
- 6) Explain filters in Linux

Q.2) Attempt any four of the following: (each of 5 marks)

(20 M)

- 1) Describe Linux groups in brief.
- 2) Explain file protection with "chmod".
- 3) Explain "sudo" command in detail
- 4) Explain password security in Linux.
- 5) Explain Layers of TCP/IP.
- 6) Explain "Ping" command with option.

Q.3) Attempt any four of the following: (each of 5 marks)

(20 M)

- 1) Write syntax of shell script with example.
- 2) With example explain output directions.
- 3) Explain "test" command in Linux.
- 4) Explain While statement with example.
- 5) Explain how to run script at boot.
- 6) Explain various Linux signals.

Q.4) Attempt any three of the following: (each of 3 marks)

(15 M)

- 1) Write a short note on Vi editor.
- 2) Explain DNS?
- 3) Explain tee command.
- 4) Explain use of "passwd" command.
- 5) Explain "rmdir", "mkdir" and "rm" commands.
- 6) Explain exit commands for script.
- 7) Explain path in Linux.

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