

- N.B. (1) Question number 1 is compulsory.
 (2) Solve any 3 from remaining.
 (3) Assume suitable data where ever necessary.

Q.1. Attempt the following:

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- Explain use of echo, expr and read command with example shell script.
- Explain use of export, set command with an example.
- Explain ping and netstat commands with example.
- Explain various Layouts in Android Programming.

Q.2.

(a) Explain different file access permissions in Linux. Consider you have a folder named “mydir” with two files “f1”, “f2” write appropriate command/s to make both files and directory to have all the permissions only for the owner of files.

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(b) Write note on iptables and with example explain how it can be used to drop traffic coming from a specific ip address to a machine. Also explain how to list all firewall rules using iptables.

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Q3.

(a) Explain use of wget and curl commands to get website contents.

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(b) Write note on sed. Show how it can be used for

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(i) As replacement for head command

(ii) As find and replace utility, for all two or more digit numbers by string ‘N’

Q4.

(a) Write a note on process management in Linux. Explain ps command.

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(b) Explain how to work with data and Files in Android application.

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Q5.

(a) Explain use of httpd.conf Explain any five configuration directives used in httpd.conf file.

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(b) Explain following commnds with an example each.

i. usermod ii. chgrp iii. adduser iv. chown v. userdel

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Q6.

(a) Discuss significance of passwd, shadow, group and gshadow files in /etc directory.

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(b) Write note on Disk partitioning. Explain role of Logical Volume Manager as device mapper.

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