

- 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:

- a. compare amongst hard and soft links
- b. Explain Linux file access permissions
- c. List 5 Environment variables. Describe their role.
- d. Explain Activity Life-cycle using neat Labeled diagram

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Q.2.

- (a) Explain role of /etc/passwd, /etc/shadow, /etc/group files with respect to user administration
- (b) Write short note on 'working with web using shell script'

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Q3.

- (a) Explain use of grep command. Also give examples of use of c, i and v option with grep
- (b) Write a note on process management in linux along with the relevant command for process management.

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Q4.

- (a) Explain File System Hierarchy (FHS) of Linux
- (b) Explain various pipes and redirects

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Q5.

- (a) Explain role of Logical Volume Manager in Linux Kernel
- (b) Explain the use of following Networking commands: i) ping ii) arp iii) host iv) traceroute v) ifconfig

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Q6

- (a) Publishing the Android application
- (b) What are different layouts possible for a view derived from ViewGroup base class
- (c) Describe role of Intent in Android Programming
- (d) What is the role of init signal

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