

(3 Hours)

Marks : 80

- 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:

20

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

Q.2.

- Explain role of /etc/passwd, /etc/shadow, /etc/group files with respect to user administration 10
- Write short note on 'working with web using shell script'. 10

Q3.

- Explain use of grep command. Also give examples of use of c, i and v option with grep. 10
- Write a note on process management in Linux along with the relevant commands for process management. 10

Q4.

- Explain File System Hierarchy (FHS) of Linux. 10
- Write note on iptables and its use as firewall with examples. 10

Q5.

- Explain role of Logical Volume Manager in Linux Kernel. 10
- Explain the use of following Networking commands: i) ping ii) arp iii) host iv) traceroute v) ifconfig 10

Q6

- Explain sed and with an example shell script explain its usage for replacing a pattern in given input. 5
- What are different layouts possible for a view derived from ViewGroup base class. 5
- Describe role of Intent in Android Programming. 5
- What is the role of init signal. 5