Sem/ V / I.T /CBGS/ 09/06/17 / May 17

Q.P. Code : 594600

(3 Hours) [Total Marks : 80

N.B. : (1) Question number 1 is compulsory.
(2) Attempt any Three questions from remaining.
(3) Assume suitable data, if necessary.
(4) Draw suitable diagram wherever necessary.

1.   Attempt any four sub questions :-
   a. Explain backup commands in Linux. 5
   b. Describe role of init signal. 5
   c. Explain permissions on directory and files. 5
   d. Describe 'AndroidManifest.xml' file components. 5

2.   a. Exlpain use of sed. Write script based on sed to convert all lowercase letters in a file to uppercase letter. 10
   b. What is difference between **halt** and **shutdown**. Explain commands for mounting and unmounting file system in Linux. When is unmounting not possible? 10

3.   a. What is an Activity? How is it created? Draw and explain activity life cycle. 10
   b. Explain with example usage of given commands- grep, tr, cat, sort, export. 10

4.   a. Explain networking commands- nslookup, traceroute, host, ping, ifconfig. 10
   b. What is data persistency in Android? 10

5.   a. Discuss significance of given files- /etc/passwd, /etc/shadow, /etc/group, /etc/gshadow. 10
   b. Draw hierarchical structure of Linux File system and explain any five directories. 10

6.   a. Explain modes of vi editor and give commands to move a cursor around, to insert text, to delete text, to cut & paste text, to save & quit files. 10
   b. Briefly explain the concept of- Daemon Process, User Process, Parent Process, Child Process, Background-Foreground Process. 10