

Sem I / OST / I.T / CBGS / Nov / 2016 / 19-12-16  
open source Tech.

Q.P. Code : 594602



(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. What is daemon process. Name any five daemon processes. Explain working of any two in details. 10  
b. What is an Activity? How is it created? Draw and explain activity life cycle. 10
3. a. What is process? Mention briefly the role of fork-exec mechanism in fork creation. 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 various open source software licences. 10  
b. What is shell programming ? Write a shell script that will sequentially clear screen, print only name of current directory, display name of all currently logged in users. 10
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