

QP Code : **31234**

(3 Hours)

[ Total Marks : 80

- N. B. : (1) Question No. 1 is compulsory.  
(2) Attempt any three questions from remaining questions.  
(3) Draw suitable diagram wherever necessary.  
(4) Assume suitable data, if necessary.

1. Attempt all four sub questions.
    - (a) Explain features of Linux 5
    - (b) Describe Swap partition in Linux 5
    - (c) Explain permissions on directory 5
    - (d) Describe 'AndroidManifest.xml' file components 5
  2. (a) What is data persistency in Android 10  
(b) Which are major components associated with Android application 10
  3. (a) What is an Activity ? How is it created? 10  
(b) Explain concept of vi editor and give commands to move a cursor around, to insert text, to delete text, to cut & paste text, and to save & quit files. 10
  4. (a) Explain concept of 'Links' and its types? 10  
(b) Explain command line editors 'sed' & 'gawk' with example 10
  5. (a) Discuss significance of given files-./etc/passwd, /etc/shadow, /etc/group 10  
(b) Explain with examples given commands- chmod, chown, chgrp 10
  6. (a) Explain following networking command-  
snetstat, ping, host, traceroute, route 10  
(b) Write short note on - process management in Linux 10
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