

2015

**SYSTEM ADMINISTRATION
USING LINUX**

Paper : 6-3

Full Marks : 40

Time : Two hours

***The figures in the margin indicate
full marks for the questions.***

1. (a) Explain the basic features of Linux operation system. 4
(b) Explain the process of installing linux. Specify the number of partition(s) required to install it. Also mention their size and objectives. 4
 2. (a) Explain *any eight* basic linux command with their syntax and example. 4
(b) Write a shell script to display the following series 4
0 1 1 2 3 5 8 13 (50 terms)
 3. (a) Write a shell script to find the sum of a 4 digit number and display it. 4
(b) Explain how backup and restore procedure is performed in linux. 4
 4. (a) List and explain *any two* functions performed by 'root' account. 4
(b) What is file system? Explain the architecture of linux file system. 4
 5. Write short notes on : **(any two)** 8
(a) Network security issues
(b) Network address
(c) Customizing the system log information
(d) duties of system administrator
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