



210244

Seat No.	
-------------	--

S.E. (Computer Engineering) (Semester –I) Examination, 2014
OPERATING SYSTEM AND ADMINISTRATION
(2012 Course)

Time : 2 Hours

Max. Marks : 50

- Instructions :** 1) Attempt Q. No. 1 or Q. No.2, Q. No. 3 or Q. No.4, Q. No. 5 or Q. No.6, Q. No. 7 or Q. No.8.
2) **Neat** diagrams must be drawn **wherever** necessary.
3) Figures to the **right** indicate **full** marks.
4) Assume suitable data if **necessary**.

1. a) What is shell ? What are the different types of commands in shell ? Give some examples. **6**
b) What are the different functions of kernel ? **6**
OR
2. a) What do you mean by user perspective of operating system ? **6**
b) Explain kernel data structure. **6**
3. a) What are the different file access methods ? **6**
b) Explain the concept of GRUB in detail. **6**
OR
4. a) Explain with diagram Linux File Systems. **6**
b) Write short note on : **6**
i) Bash Scripting
ii) Python Scripting
5. a) Explain access control in Unix OS. **6**
b) What is the difference between interrupts and exceptions ? **4**
c) What is strace command ? **3**
OR
6. a) Explain different identities like userid, effective user id, saved user id, real user id. **6**
b) How kill command can be used with runaway processes ? **4**
c) Write short note on nice and renice. **3**

P.T.O.

210244



7. a) Explain concept of file system mounting. 6
b) Explain different features of RAID 0 and RAID 1 in brief. 4
c) What is fsck ? 3
- OR
8. a) What are the content of /etc./shadow file ? 6
b) Explain minimum password age, maximum password age, password inactivity period. 4
c) Explain fdisk command. 3

B/I/14/