

Roll No.

24467

B. Tech. 7th Semester (IT)
Examination – December, 2014
SYSTEMS NETWORK ADMINISTRATION

Paper : IT-403-F

Time : Three Hours]

[Maximum Marks : 100

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note: Attempt five questions in total by selecting one question from each of the four Sections. Question No. 1 is compulsory.

1. (a) What is O.S. ? Also explain the types of O.S. in brief. 5
- (b) What is the main characteristic of UNIX file system ? 5
- (c) What is the need of routing protocols ? Explain. 5
- (d) Write the use and the syntax of the following commands : 5
Ping, netstat, ipconfig, tracert

SECTION – A

2. What is a file system ? Explain various file system and standard. 20

3. (a) What is System performance tuning ? Explain various steps in system performance tuning. 15
(b) What are the various uses of cloning ? 5

SECTION – B

4. (a) What is meaning of privilege ? How user management and controlling is done ? 10
(b) Explain the various steps during the installation of UNIX and LINUX. 10
5. (a) Discuss process scheduling in context of GNU project. 10
(b) What is backup and restoration ? 10

SECTION – C

6. Explain the RIP and OSPF protocol in detail. 20
7. (a) What are the various steps required for TCP/IP troubleshooting ? Discuss. 10
(b) Define PPP and RAS. 10

SECTION – D

8. (a) Discuss various categories of security. How they are implemented ? Discuss significance of each of them. 14
(b) What is a firewall ? 6
9. Write short note on :
(a) Killing process. 10
(b) Advantages and Limitations of shadow files. 10