

Roll No.

24467

B. Tech. 8th Semester (CS & IT)

Examination – May, 2016

SYSTEM & 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 : Attempts any *five* questions. Question number *one* is *compulsory*. Select *one* question from each section. Each question carries equal marks.

1. (a) What do you mean by system and network administration ? Discuss briefly system components and their management. 5
- (b) Discuss briefly process management and monitoring. 5
- (c) Write short note on TCP/IP trouble shooting. 5
- (d) Write short note on CERT. 5

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P. T. O.

SECTION – A

2. What are various operating system and their variants ? What are system performance tuning issues ? Also compare performance of various operating system. 20
3. (a) Write down the scope of system and network administration in detail. 10
- (b) What is role of privileges in system and network administration ? 10

SECTION – B

4. (a) Describe about integration of operating system and system sharing. 10
- (b) How user management and controlling done ? Discuss various technique for this. 10
5. Write short note on following : 20
- (a) Software installation and structuring software
- (b) Concept of swap space
- (c) Cloning System
- (d) Kernel customization

SECTION – C

6. (a) What is network address and network address translation ? Discuss with suitable example. 10
- (b) Discuss briefly various types of routing protocol in details. 10
7. (a) What is the role trouble shooting among trace route and ifconfig ? 10
- (b) Write down the steps for configuring web server in details. 10

SECTION – D

8. (a) What do you mean by attack ? Discuss denial of service attacks. 10
- (b) What are different types of filtering rule ? How they helpful in security ? 10
9. Write short note on following: 20
- (a) Perl/python scripting
- (b) Access control and monitoring
- (c) Security information resources
- (d) Firewall