



K15P 0535

Reg. No. : .....

Name : .....

Third Semester M.C.A. Degree (Reg./Supple./Improve.)  
Examination, January 2016  
(2014 Admn.)

MCA3C16 : SYSTEM AND NETWORK ADMINISTRATION

Time : 3 Hours

Max. Marks : 80

SECTION - A

Answer any ten questions. Each question carries three marks.

1. Define boot process.
2. What are the importance of Kernel domain in Unix System ?
3. Mention the functionalities of emergency rescue operations of the Unix System.
4. How to configure window manager with suitable commands ?
5. How to display the IP address and configuration of the system in Unix System ?
6. What are the uses of remote booting ?
7. What are the functions of NIS (Network Information System) ?
8. Compare and contrast SMTP and POP3.
9. How to configure DNS in Unix environment system ?
10. Mention the various DNS with suitable examples.
11. Define Fork( ) system call.
12. What are the merits of standard client/server programming ? (10×3=30)

P.T.O.





## SECTION – B

Answer **all** questions. **Each** question carries **ten** marks.

13. a) Mention the major services of Unix system, explain the characteristic features of each one briefly. 10  
OR  
b) List out various run levels of the Unix system, explain the merits of each one briefly. 10
14. a) Describe briefly file system configuration using suitable commands. 10  
OR  
b) Discuss the importance of Unix system security with suitable commands. 10
15. a) How to configure TCP/IP in Unix system ? Explain briefly with suitable commands and parameters. 10  
OR  
b) List out important network commands, explain usage of each one with suitable parameters. 10
16. a) How to resolve the domain name services and mail services, explain with suitable commands. 10  
OR  
b) Discuss the importance of the following protocols. SMTP, POP3, HTTP. 10
17. a) Explain briefly interprocess communication, with suitable commands. 10  
OR  
b) List out the various calls of socket programming, explain importance of each one briefly with proper arguments. 10

(5×10=50)