

K18P 0071



Reg. No. : .....

Name : .....

Third Semester M.C.A. Degree (Regular/Supplementary/Improvement)  
Examination, January 2018  
(2014 Admission Onwards)

MCA3C16 : SYSTEM AND NETWORK ADMINISTRATION

Time : 3 Hours

Max. Marks : 80

SECTION - A

Answer **any ten** questions, **each** question carries **three** marks.

1. What are the functions of terminals ?
2. What are the uses of boot process ?
3. Mention the features of Kernel modules.
4. List out the various contents of passwd file.
5. Compare and contrast backup and restore operations.
6. How to display the contents of hostname and nic card details ?
7. What are the functions of DHCP ?
8. Define remote booting.
9. What are the uses of MIME ?
10. Mention the functionalities of mail routing.
11. Comparison between parent and child process.
12. What are the uses of unreserved ports ?

(10×3=30)

P.T.O.



## SECTION – B

Answer all questions, each question carries ten marks.

13. a) Define boot process, list out the various kind of boot process, explain the Significant features of each of them. 10
- OR
- b) What are the significant features of system configuration ? Explain the importance of each modules. 10
14. a) i) Explain the various environment variables of file system. 5  
ii) Discuss the system security issues with suitable examples and proper commands. 5
- OR
- b) Explain the configuration of user in linux environment system using suitable commands. 10
15. a) Describe the configuration network in system using suitable commands. 10
- OR
- b) Explain the following protocols with proper merits. 10
- i) TFTP
  - ii) NFS
  - iii) HTTP
  - iv) SMQ.
16. a) List out the various DNS databases. Explain the properties, merits and demerits of each one briefly. 10
- OR
- b) What are the properties of DNS ? Explain with examples. Describe briefly various kind of DNS services. 10
17. a) List out various system calls for creating a simple client/server program, explain the importance of each one with suitable commands. 10
- OR
- b) Explain the properties and significant features of both online and offline services using suitable socket system calls. 10