Krishna Kanta Handiqui State Open University
MCA 5th Sem. Examination, 2015

Linux System Administration [MCA(S5)20]

Time : 2 Hrs. Full Marks : 50

1. Answer any three from the following questions : 2×3 = 6
   (a) What is Linux? Write two important features of Linux.
   (b) 'Linux is hardware independent' – explain the statement.
   (c) What is the baisc difference between Linux and UNIX operating system?
   (d) What is swap space? What is the typical size for a swap partition under Linux system?
2. Answer any three from the following questions : 2×3 = 12
   (a) What is Kernel? Explain the functions of Kernel in Linux operating system briefly.
   (b) Describe the file structure of Linux operating system.
   (c) Beifly explain the function of 'chmod' with examples.
   (d) Write two advantages of Shell Seript? What does $ and # refers to in shell programming?
3. Answer any two from the following questions : 6×2 = 12
   (a) Write a program in shell script to check whether a number is even or not.
   (b) Write a program in shell scipt to find out the factorial of numbers.
   (c) What is the role of a system administrator? What is the use of a super user?

4. Answer the following questions : 10×2 = 20
   (a) As a system administrator, how can you istall, configure and manage a simpel LAN in Linux?
   (b) Write the short notes (any two)
      (i) Web server and proxy server
      (ii) Telnet and FTP
      (iii) Ping and traceroute command.

Krishna Kanta Handiqui State Open University
MCA 5th Sem. Examination, 2015

Linux System Administration [MCA(S5)20]

Time : 2 Hrs. Full Marks : 50

1. Answer any three from the following questions : 2×3 = 6
   (a) What is Linux? Write two important features of Linux.
   (b) 'Linux is hardware independent' – explain the statement.
   (c) What is the baisc difference between Linux and UNIX operating system?
   (d) What is swap space? What is the typical size for a swap partition under Linux system?
2. Answer any three from the following questions : 2×3 = 12
   (a) What is Kernel? Explain the functions of Kernel in Linux operating system briefly.
   (b) Describe the file structure of Linux operating system.
   (c) Beifly explain the function of 'chmod' with examples.
   (d) Write two advantages of Shell Seript? What does $ and # refers to in shell programming?
3. Answer any two from the following questions : 6×2 = 12
   (a) Write a program in shell script to check whether a number is even or not.
   (b) Write a program in shell scipt to find out the factorial of numbers.
   (c) What is the role of a system administrator? What is the use of a super user?

4. Answer the following questions : 10×2 = 20
   (a) As a system administrator, how can you istall, configure and manage a simpel LAN in Linux?
   (b) Write the short notes (any two)
      (i) Web server and proxy server
      (ii) Telnet and FTP
      (iii) Ping and traceroute command.