

BACHELOR OF COMPUTER APPLICATIONS

(BCA)

BCA/ASSIGN/VI/YEAR/14-15

ASSIGNMENTS

(For July, 2014 and Jan., 2015 sessions)

(6th Semester (Revised Syllabus))

(BCS-062, MCS-022, BCSL-063)



**SCHOOL OF COMPUTER AND INFORMATION SCIENCES
INDIRA GANDHI NATIONAL OPEN UNIVERSITY
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Course Code : **BCS-062**
Course Title : **E-Commerce**
Assignment Number : **BCA(VI)-062/Assign/14-15**
Maximum Marks : **100**
Weightage : **25%**
Last Date of Submission : **15th October, 2014 (For July 2014 Session)**
15th April, 2015 (For January 2015 Session)

This assignment has two questions for a total of 80 marks. Answer both the questions. Rest 20 marks are for viva voce.

Question 1: **(30 Marks)**

Explain various models of E-commerce

Question 2: **(50 Marks)**

What is a digital signature? How is it verified?

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|----------------------------------|---|---|
| Course Code | : | MCS-022 |
| Course Title | : | Operating System Concepts and Networking Management |
| Assignment Number | : | BCA(VI)-022/Assign/14-15 |
| Maximum Marks | : | 100 |
| Weightage | : | 25% |
| Last Dates for Submission | : | 15th October, 2014 (For July 2014 Session) 15th April, 2015 (For January 2015 Session) |

This assignment has four questions. Answer all questions. Rest 20 marks are for viva voce. You may use illustrations and diagrams to enhance the explanations. Please go through the guidelines regarding assignments given in the Programme Guide for the format of presentation. Answer of each part of the question should be confined to about 300 words.

Question 1:

- (a) What are the various methods of authentication available in the Linux operating system. (5)
- (b) List the drawbacks of Windows 2000 operating system? (5)

Question 2:

- (a) Which users/ groups have access to audit logs in windows 2000? Why are audit policies disabled by default? (6)
- (b) How does the group policy relate to local policy in windows 2000? Explain. (4)

Question 3:

Write the steps for installing a network printer in Windows 2000 and LINUX operating system. (10)

Question 4:

- (a) Draw and explain the features of various networking components: Switch, Hub, Nods, Cables, Router, and Bridges. (6)
- (c) Why is the audit view limited to specific users only in windows 2000? (4)

Question 5:

- (a) Do the local policies cover security management functions for administrators also in windows 2000? Can different security functions be created for each user in Linux?
(6)
- (b) Is the quota limit applicable to all the users in windows 2000? Is there any user that is not limited by the quota management?
(4)

Question 6:

- (a) What is the difference between security logs and system logs? What is the minimum size of the log allowed in windows 2000?
(5)
- (b) Which other user other than from the administrator group enable or disable quota management in windows 2000?
(5)

Question 7:

- (a) What is backup? What are the strategies followed in Linux for backup?
(6)
- (b) What encryption function is used by Windows 2000 operating system?
(4)

Question 8:

Examine the file system of Windows 2000 and Linux and answer the following questions:

- a) What are the available file system structures in both systems?
(5)
- b) List the Key features of these file systems. Also, explain how recovery of a file system take place in these files systems.
(5)

Course Code : **BCSL-063**
Course Title : **Operating System Concepts and
Networking Management Lab**
Assignment Number : **BCA(VI)-L063/Assign/14-15**
Maximum Marks : **50**
Weightage : **25%**
Last date of Submission : **15th October, 2014 (For July 2014 Session)**
15th April, 2015 (For January 2015 Session)

Note: This assignment has two questions. Answer all the questions. These questions carry 40 marks. Rest 10 marks are for viva voce.

Question 1: Install the network monitor application in Windows 2000. Show the use of capture filter and display filter with the help of your own examples.
(20 Marks)

Question 2:

a) Use telnet and ftp to get connected with other remote machine in Linux.
(10 arks)

b) Display a sorted list of all files in the home directory that contain the word ignou inside them in UNIX. *Hint: Use find and grep and sort.*
(10 Marks)