

BACHELOR OF COMPUTER APPLICATIONS (BCA)

(Revised Syllabus)

BCA(Revised Syllabus)/ASSIGN/SEMESTER-VI

ASSIGNMENTS

(July - 2017 & January - 2018)

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



**SCHOOL OF COMPUTER AND INFORMATION SCIENCES
INDIRA GANDHI NATIONAL OPEN UNIVERSITY
MAIDAN GARHI, NEW DELHI – 110 068**

CONTENTS

Course Code	Assignment No.	Submission-Schedule		Page No.
		For July-December Session	For January-June Session	
BCS-062	BCA(6)/062/Assignment/17-18	15th October, 2017	15th April, 2018	3
MCS-022	BCA(6)/022/Assignment/17-18	15th October, 2017	15th April, 2018	4
BCSL-063	BCA(6)/L-063/Assignment/17-18	15th October, 2017	15th April, 2018	6

Important Notes

1. Submit your assignments to the Coordinator of your Study Centre on or before the due date.
2. Assignment submission before due dates is compulsory to become eligible for appearing in corresponding Term End Examinations. For further details, please refer to BCA Programme Guide.
3. To become eligible for appearing the Term End Practical Examination for the lab courses, it is essential to fulfill the minimum attendance requirements as well as submission of assignments (on or before the due date). For further details, please refer to the BCA Programme Guide.

Course Code : **BCS-062**
Course Title : **E-Commerce**
Assignment Number : **BCA(6)/062/Assignment/17-18**
Maximum Marks : **100**
Weightage : **25%**
Last Date of Submission : **15th October, 2017 (For July 2017 Session)**
: **15th April, 2018 (For January 2018 Session)**

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

1. List and Explain various Electronic Payment Systems with examples that are *(40 Marks)* available in E-Commerce portals.
2. List and Explain various Security certifications available for E-Commerce *(40 Marks)* portals.

Course Code	:	MCS-022
Course Title	:	Operating System Concepts and Networking Management
Assignment Number	:	MCA (6)/022/Assignment/17-18
Maximum Marks	:	100
Weightage	:	25%
Last Date of Submission	:	15th October, 2017 (For July 2017 Session)
	:	15th April, 2018 (For January 2018 Session)

This assignment has eight 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.

1. (a) What is Active Directory? How can Active Directory connect to other Third-Party Directory Services? Discuss the available options for it. *(5 Marks)*
- (b) What is umask ? How to set the umask permanently for a user in Linux? *(5 Marks)*
2. (a) Compare the features of Windows 2000 Server & Advanced Server? *(5 Marks)*
- (b) Explain SNMP architecture with the help of a diagram. *(5 Marks)*
3. (a) What are the standard user groups in windows 2000? Explain the access privileges of each. *(5 Marks)*
- (b) Explain, how to create partition from the raw disk in Linux? *(5 Marks)*
4. (a) What is the meaning of Global Catalog? How it is related to trust relationship agreement? Explain. *(5 Marks)*
- (b) Describe the installation procedure of Linux operating system. *(5 Marks)*
5. (a) What is DHCP? How we configure DHCP? *(5 Marks)*
- (b) How do you create a new user account? Explain the different options of the command used for it. *(5 Marks)*
6. (a) Explain the significance of each field in the/etc/passwd file in Linux? *(5 Marks)*
- (b) What are application partitions? Explain the process /commands for creating a new application partition in Windows. *(5 Marks)*
7. (a) What is Group Policy object(s) (GPOs)? How is it different from local Group Policy object. *(5 Marks)*

- (b) What is partial backup in Linux? Explain the process of Backup and Restore in Linux using the suitable commands. *(5 Marks)*
8. (a) Explain the different ways to configure DNS & Zones? *(5 Marks)*
- (b) Discuss the security features of Linux? Explain, how the unique authentication module of Linux provides security. *(5 Marks)*

Course Code	:	BCSL-063
Course Title	:	Operating System Networking Management Lab
Assignment Number	:	BCA(6)/L-063/Assignment/17-18
Maximum Marks	:	50
Weightage	:	25%
Last date of Submission	:	15th October, 2017 (For July 2017 Session)
	:	15th April, 2018 (For January 2018 Session)

Note: This assignment has two questions. Answer all the questions. These questions carry 40 marks. Rest 10 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. Make suitable assumption is necessary.

1. (a) Show how you can enhance the feature and strength of file and print servers with Active Directory. *(10 Marks)*
- (b) Create two global groups and configure so that users from both groups should be able to access some command folders *(10 Marks)*
2. (a) Create a *cron* job that sends you a message after every 5 minutes in Unix/Linux *(5 Marks)*
- (b) Assume you are a server administrator .Write shell script in Unix that fetch the list of current working directories along with the user names, current date and time. *(15 Marks)*