

BACHELOR OF COMPUTER APPLICATIONS (BCA)

(Revised Syllabus)

BCA(Revised Syllabus)/ASSIGN/SEMESTER-VI

ASSIGNMENTS

(July - 2026 & January - 2027)

**(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(VI)/062/Assignment/26-27	31st October, 2026	30th April, 2027	3
MCS-022	BCA(VI)/022/Assignment/26-27	31st October, 2026	30th April, 2027	5
BCSL-063	BCA(VI)/L-063/Assignment/26-27	31st October, 2026	30th April, 2027	9

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(IV)062/Assignment/2026-27
Maximum Marks	:	100
Weightage	:	25%
Last Date of Submission	:	31st October, 2026 (For July 2026 Session)
	:	30th April, 2027 (For January 2027 Session)

There are four questions in this assignment. Each question carries 20 marks. Rest 20 marks are for viva-voce. Answer all the questions. 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.

Q1: (20 Marks)

A local handicrafts cooperative intends to establish an online business to market its products nationally and internationally. Prepare a comprehensive e-commerce implementation plan by addressing the following aspects:

- Distinguish between traditional commerce and e-commerce.
- Identify the essential elements required for establishing an e-commerce system.
- Recommend the most suitable e-commerce business model (B2B, B2C, C2C, C2B, etc.) with justification.
- Explain the complete e-commerce trade cycle for the proposed business.
- Discuss the benefits and limitations of adopting e-commerce for rural artisans.

Q2: (20 Marks)

A medium-sized manufacturing company plans to digitize its procurement, payment and supplier communication processes. Discuss how the company can improve business efficiency by incorporating the following technologies:

- Electronic Data Interchange (EDI)
- Electronic Payment Systems (EPS)
- Electronic Funds Transfer (EFT)
- Digital Wallets and Smart Cards
- Payment Gateway Services

Also evaluate the operational, financial and managerial benefits as well as the challenges associated with implementing these technologies.

Q3:

(20 Marks)

A retail organization plans to launch a secure mobile commerce application for online shopping. Explain how the organization can build customer confidence by addressing the following issues:

- Authentication and Authorization
- SSL and Digital Certificates
- Digital Signatures
- Firewalls and Secure Network Architecture
- Cyber Crimes and Cyber Security Measures
- IT Act and Legal Responsibilities of E-Commerce Businesses

Illustrate your answer with suitable examples wherever appropriate.

Q4:

(20 Marks)

Assume that you have been appointed as an E-Commerce Consultant to design a next-generation online shopping platform for a startup. Prepare a detailed proposal covering the following:

- Features that should be incorporated in the shopping portal to improve customer experience.
- Integration of mobile commerce (m-Commerce) features.
- Personalization and recommendation services.
- Order processing, logistics and customer support mechanisms.
- Future trends such as AI-enabled shopping assistants, location-based services, social commerce and omnichannel commerce.

Justify how these features can improve customer satisfaction and business growth.