

BACHELOR OF COMPUTER APPLICATIONS (BCA_NEW/BCAOL)

**ASSIGNMENTS OF BCA_NEW/BCAOL
PROGRAMME SEMESTER-V**

(July 2026 & January 2027 Session)

BCS-151, BCS-042, BCSL-159, BCOS-184, MSEI-023, BECS-184



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

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Important Notes

1. BCA_NEW Student need to submit the assignments to the Coordinator of your Study Centre on or before the due date.
2. BCAOL Student need to submit the assignments on LMS Portal on or before the due date.
3. Assignment submission before due dates is compulsory to become eligible for appearing in corresponding Term End Examinations. For further details, please refer to Programme Guide.
4. 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 Programme Guide.
5. The viva voce is compulsory for the assignments. For any course, if a student submitted the assignment and not attended the viva-voce, then the assignment is treated as not successfully completed and would be marked as ZERO.

Course Code	:	BCOS-184
Course Title	:	E-Commerce
Assignment Number	:	BCA_NEW/BCAOL(V)184/Assign/2026-27
Maximum Marks	:	100
Last Dates for Submission	:	31st October, 2026 (For July 2026 Session)
	:	30th April, 2027 (For January 2027 Session)

Note: Attempt all the questions.

- Q1:** Analyze the role of Emerging Technologies in E-Commerce. Discuss how Artificial Intelligence (AI), the Internet of Things (IoT), and Blockchain are transforming online business processes. **(10 Marks)**
- Q2:** Explain the Website Development Process in detail. Describe the significance of each step, from "Innovative Requirement" to "Maintenance". **(10 Marks)**
- Q3:** Discuss the various E-Commerce Business Models based on target customers. Provide real-world examples for B2B, B2C, C2C, and D2C models. **(10 Marks)**
- Q4:** Examine the Information Technology (IT) Act, 2000. What are its primary objectives, and how does it provide a legal framework for E-Commerce in India? **(10 Marks)**
- Q5:** Evaluate the "7C's of the E-Retail Mix." How do these components help an e-tailer provide superior value to customers compared to traditional 4P marketing? **(10 Marks)**
- Q6:** Distinguish between Inventory-based and Marketplace-based E-tailing models. Use examples like Amazon or Alibaba to illustrate your answer. **(6 Marks)**
- Q7:** What is a Payment Gateway? Explain its role as a "middleman" in securing online transactions between a customer and a merchant. **(6 Marks)**
- Q8:** Explain the "C.I.A. Triad" in the context of Cyber Security. Why is each component (Confidentiality, Integrity, and Availability) critical for an e-commerce business? **(6 Marks)**
- Q9:** Discuss the advantages and disadvantages of E-tailing for retailers. Focus on aspects like location utility and complex logistics management. **(6 Marks)**
- Q10:** What are the different types of Website Hosting? Briefly explain Shared, VPS, and Cloud hosting. **(6 Marks)**
- Q11:** Differentiate between HTTP and HTTPS. Why is the "S" version essential for e-commerce websites? **(5 Marks)**
- Q12:** Write a short note on FinTech. How is it redefining traditional banking services? **(5 Marks)**
- Q13:** What are the features of Virtual Currency? Mention why Distributed Ledger Technology (DLT) is used for these transactions. **(5 Marks)**
- Q14:** Briefly describe E-Governance in India. List at least three popular e-governance schemes (e.g., Digital India). **(5 Marks)**