


RAN-2411001002030001

B.Sc. (Computer Science) (Semester-II) Examination April - 2026
Minor-E-Commerce and Cyber Security

Time: 2 Hours]
[Total Marks: 50

સૂચના : / Instructions (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવર્ણી પર અવશ્ય લખવી. Fill up strictly the above details on your answer book. (2) All questions are compulsory. (3) Figure to the right indicate full marks. (4) Mention your options clearly.	Seat No.: <table border="1" style="width: 100%; height: 40px; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> </tr> </table> Student's Signature						

Q-1. A) Answer the following questions (Any Five) 05

- 1) Which network is MOST commonly used for E-commerce?

A) LAN	B) MAN
C) Internet	D) PAN
- 2) Information Highway mainly supports:

A) Manual data processing	B) Fast information exchange
C) Paper-based communication	D) Offline services
- 3) Consumer to Business (C2B) means:

A) Business sells products to consumers.	B) Consumers sell products or services to businesses.
C) Business sells to business.	D) Government sells to consumers.
- 4) SSL works between which layers?

A) Network and Transport	B) Transport and Application
C) Application and Presentation	D) Data link and Network
- 5) Smart cards store information in:

A) Magnetic tape	B) Microprocessor chip
C) Optical disk	D) Cloud storage
- 6) Which malware spreads without user interaction?

A) Virus	B) Trojan
C) Worm	D) Spyware
- 7) Software piracy means:

A) Legal software installation.	B) Unauthorized copying or distribution of software.
C) Software testing.	D) Software licensing.

- Q-1. B) Answer the following questions (Any Four). 08**
- 1) What is identity theft?
 - 2) List out e-commerce consumer application.
 - 3) What is cybersquatting?
 - 4) What is password attack?
 - 5) Define E-commerce.
 - 6) Define term Defamatory e-mails.
- Q-2. Answer the following questions. 13**
- A) Define E-commerce and explain its scope and significance in the modern business environment. **08**
- OR**
- A) Explain E-commerce security issues and challenges faced in online transactions. **08**
- B) Explain the E-commerce framework with suitable components and diagram. **05**
- OR**
- B) Explain various types of electronic payment systems used in E-commerce. **05**
- Q-3. Answer the following questions (Any Two). 12**
- A) Explain the technical aspects of cyber-crimes with examples.
 - B) Describe cyber terrorism and its threats to national security.
 - C) Explain terminology with proper example. Email spoofing, email spamming, email bombing.
 - D) What do you mean by DoS attack? Explain along with its types.
- Q-4. Answer the following questions (Any Two). 12**
- A) Describe Secure Socket Layer (SSL) and explain how it ensures secure communication.
 - B) Explain defamation and cyber stalking as cyber offenses.
 - C) Write a note on various E-Commerce transaction models.
 - D) Explain software piracy, copyright infringement, trademarks violation.
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