

Enrollment No./Seat No.:

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**Bachelor of Vocation - SEMESTER - VI EXAMINATION - SUMMER 2025**

**Subject Code: 1160503**

**Date: 14-05-2025**

**Subject Name: Cyber Security**

**Time:10:30 AM TO 12:30 PM**

**Total Marks: 50**

**Instructions**

- 1. Attempt all questions.**
- 2. Make Suitable assumptions wherever necessary.**
- 3. Figures to the right indicate full marks.**
- 4. Use of simple calculators and non-programmable scientific calculators are permitted.**

	<b>Marks</b>
<b>Q.1 (a)</b> Explain CIA Triad	<b>05</b>
<b>(b)</b> Explain Forensics Investigation Process	<b>05</b>
<b>Q.2 (a)</b> What is Information Security Management System(ISMS)	<b>05</b>
<b>(b)</b> write note on Malware threats and types (Any 5)	<b>05</b>
<b>OR</b>	
<b>(b)</b> Define Cyber security & describe Importance and challenges in Cyber Security.	<b>05</b>
<b>Q.3 (a)</b> Explain E-Commerce and E-Governance & its types.	<b>05</b>
<b>(b)</b> Define Intellectual Property Rights in cyberspace and its categories.	<b>05</b>
<b>OR</b>	
<b>(a)</b>	<b>05</b>
Define Social Engineering & its Types (Any 5).	
<b>(b)</b> what is Role of forensics Investigator	<b>05</b>
<b>Q.4 (a)</b> Write a short note on Controller and Certifying Authority & its responsibilities.	<b>05</b>
<b>(b)</b> Define Auditing and list out Benefits of Cyber security audit.	<b>05</b>
<b>OR</b>	
<b>(a)</b> Define Cyberspace, Cyber threats & Cyber warfare.	<b>05</b>
<b>(b)</b> Explain Cyber Terrorism with example.	<b>05</b>
<b>Q.5 (a)</b> Define Concepts and Scopes of Ethical Hacking	<b>05</b>
<b>(b)</b> Write Short note on hackers and its types.	<b>05</b>
<b>OR</b>	
<b>(a)</b> Differentiate between Hackers and Crackers.	<b>05</b>
<b>(b)</b> Define Vulnerability Assessment and Penetration Testing	<b>05</b>

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