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MTECH
(SEM II) THEORY EXAMINATION 2023-24
CYBER SECURITY AND LAWS

TIME: 3 HRS

M.MARKS: 70

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. **Attempt all questions in brief.** **2 x 7 = 14**

a.	What is TCP protocol?
b.	Why cyber security is needed?
c.	What is copyright infringement?
d.	What is defamation? Give an example in terms of cyber world.
e.	What is digital signature?
f.	Explain digital footprints.
g.	What are cyber ethics?

SECTION B

2. **Attempt any three of the following:** **7 x 3 = 21**

a.	Discuss three major challenges faced by organizations in ensuring effective cyber security measures.
b.	What is data loss? Explain three effective strategies for preventing data loss in cyber security.
c.	Discuss any recent legal case of defamation and its implications on criminals.
d.	What are privacy concerns, freedom of speech, and access to information in digital environments?
e.	Discuss the ethical frameworks that guide decision-making in cyber security incidents and policy development.

SECTION C

3. **Attempt any one part of the following:** **7 x 1 = 7**

a.	Discuss the key steps involved in conducting network forensics and the tools commonly used.
b.	Explain Ransomware attacks and Phishing in detail.

4. **Attempt any one part of the following:** **7 x 1 = 7**

a.	Evaluate the impact of global regulations on enhancing or hindering cyber security measures.
b.	Discuss the concept of fair use for internet infringement. Provide examples.

5. **Attempt any one part of the following:** **7 x 1 = 7**

a.	Discuss the challenges of combating internet infringement of intellectual property rights
b.	What are the challenges and strategies for protecting trademarks in a globalized digital environment?

6. **Attempt any one part of the following:** **7 x 1 = 7**

a.	Evaluate the challenges governments face in taxing digital transactions and e-commerce.
b.	Explain the rules and challenges associated with the admissibility of digital evidence in court.

7. **Attempt any one part of the following:** **7 x 1 = 7**

a.	Select two significant cyberlaw cases and analyze their impact on cyber security regulations and practices.
b.	Discuss the legal and regulatory challenges faced by multinational corporations operating in the digital economy.