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MCA
(SEM II) THEORY EXAMINATION 2023-24
CYBER SECURITY*

TIME: 3 HRS**M.MARKS: 100**

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

SECTION A**1. Attempt all questions in brief.**

Qno.	Question	Marks	CO
a.	Define cyber security?	2	1
b.	What is information system?	2	1
c.	Why disposal of data is necessary?	2	2
d.	Explain Trojan horse.	2	2
e.	Explain the working of CCTV.	2	3
f.	Discuss E-Cash.	2	3
g.	How security policies work?	2	4
h.	Describe email security policy	2	4
i.	What is the role of cyber laws in India?	2	5
j.	Explain software piracy.	2	5

SECTION B**2. Attempt any three of the following:**

Qno.	Question	Marks	CO
a.	Explain information security, what is the need of information security.	10	1
b.	Elaborate the role of backups and archival storage for data security considerations	10	2
c.	Describe briefly electronic payment system and how it's beneficial in today's life?	10	3
d.	Why notifications and publication is required for the policies explain its benefits	10	4
e.	What are the objectives of IT act? What are the offences under IT act 2000?	10	5

SECTION C**3. Attempt any one part of the following:**

a.	Explain management support system and operational support system in brief.	10	1
b.	What are the types of threats in an information system? Explain the concept of CIA triad.	10	1

4. Attempt any one part of the following:

a.	What do you understand by application security? Explain about access control.	10	2
b.	Discuss in detail about IDS. Differentiate between NIDS and HIDS.	10	2

5. Attempt any one part of the following:

a.	Elaborate digital signature. Explain public and private key encryption	10	3
b.	Define the term SDLC explain its all phases briefly	10	3

6. Attempt any one part of the following:

a.	Mention the important features of WWW policy.	10	4
b.	Briefly explain the ISO standards to be considered while laying down the policy	10	4

7. Attempt any one part of the following:

a.	Write a short note on –Copyright law and software license	10	5
b.	Elaborate IPR, explain its types and how it's beneficial for the people. .	10	5