PAPER ID-421595

Subject Code: KCAA01

Roll No: | | | | | | | | | | | | | |

MCA
(SEM II) THEORY EXAMINATION 2021-22
CYBER SECURITY*

Time: 3 Hours ***Total Marks: 100***

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

SECTION A

1. Attempt *all* questions in brief. **2 x 10 = 20**

Q no.	Question	Marks	CO
a.	Define the terms cyber Security.	2	1
b.	Define the various goal of cyber Security.	2	1
c.	Explain the working of Intrusion Detection System.	2	2
d.	Describe the term threats.	2	2
e.	Explain the advantages of doing e-commerce.	2	3
f.	Describe the requirement of cryptography.	2	3
g.	Describe the purpose of organizational standards and related policies.	2	4
h.	Explain the need of WWW policy.	2	4
i.	Explain the use of ISO standard.	2	5
j.	Write a note on IPR.	2	5

SECTION B

2. Attempt any *three* of the following:

Q no.	Question	Marks	CO
a.	Differentiate between active attacks & passive attacks with examples.	10	1
b.	Explain the various categories of possible VPN services in detail.	10	2
c.	Explain e-payment system in detail with its various uses in business.	10	3
d.	Explain the way policies are useful in running the organization with suitable example.	10	4
e.	Describe the cyber Laws in India.	10	5

SECTION C

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

Q no.	Question	Marks	CO
a.	Differentiate between operational support system and managerial support system in detail.	10	1
b.	Explain the main features of all the models involved in development of an Information system.	10	1

4. Attempt any *one* part of the following:

a.	Differentiate the working of firewall and intrusion detection system.	10	2
b.	Describe the various security considerations for START-Ups in INDIA?	10	2

5. Attempt any *one* part of the following:

a.	Describe the usefulness of CCTV and Data Backups in physical security of organizational assets.	10	3
b.	Describe the way digital signature is used during communicating the messages.	10	3

6. Attempt any *one* part of the following:

a.	Write down the security policies in India.	10	4
b.	Define the term Policy and Explain the various steps involved in policy Review process.	10	4

7. Attempt any *one* part of the following:

a.	Write a Note on Following: (i) Copy Right Act., (ii) Patent law.	10	5
b.	Describe different provisions of IT ACT 2000.	10	5