

Roll No. ....

Total Pages : 03

**MCAQ/D-23**

**24030**

CYBER SECURITY

MCA-20-34-(ii)

Time : Three Hours]

[Maximum Marks : 75

**Note :** Attempt *Five* questions in all, selecting *one* question from each Unit. Q. No. 1 is compulsory. All questions carry equal marks.

1. (a) What are hardware key loggers and Anti key loggers ? List the advantages of using anti loggers.
- (b) What is a Backdoor ? Discuss any *three* examples of Backdoor Trojans.
- (c) Define spy phishing.
- (d) List any *three* applications of Blockchain technology.
- (e) What is Personally Identifiable Information (PII) ?

**5×3=15**

**Unit I**

2. (a) Define Cyber Crime. Explain the different types of cyber crime.

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- (b) What do you mean by social engineering ? How can it be used for cyber-attack ? 8

3. (a) What is Cyber Security ? Why is it important ? Describe some fundamentals of cyber security. 10  
(b) Write a short note on web based attack. 5

### Unit II

4. (a) What are proxy servers and anonymizers along with its application in real world ? 10  
(b) Explain SQL injection attack with example. 5
5. Classify Cyber crimes. Describe various cyber crimes against Society. Describe the role of cyber cafes in cyber crime. 15

### Unit III

6. Discuss various types of Phishing Scams. 15
7. Define the term digital forensic science. Explain Digital Forensic life-cycle. Discuss the admissibility of digital evidence in India. How is it useful in evidence handling procedure ?

15

### Unit IV

8. (a) Explain the working of snort detection system. 8  
(b) Differentiate Stateless vs. Stateful Firewalls. 7
9. What are the various network defense tools ? Explain any one of them. 15