206243

44761/F0210

Reg. No.

VI Semester B.C.A 5 Degree Examination, September/October - 2023

INFORMATION SECURITY & CRYPTOGRAPHY

(Regular)

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates :

1) All sections are compulsory.
2) Draw neat diagrams wherever necessary.

SECTION - A

I. Answer any **ten** questions. (10×2=20)

a) Define cyber crime. Give an example.

b) What is spamming?

c) What is cyber stalking? Give an example.

d) List the methods to prevent credit card frauds.

e) What are key loggers? Mention the types.

f) Define phishing and smishing.

g) Define proxy server and anony mizer.

h) How to minimize buffer overflow?

i) What is digital evidence? Give an example.

j) What is cyber forensics?

k) Define Cryptography.

l) What is elementary transpose cipher?

SECTION - B

Answer any **four** of questions. (4×5=20)

2. What is cyber law? Explain Indian IT Act 2000.

3. What is social engineering? Explain its types.

4. Differentiate virus and worms.

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5. Explain the digital Forensic life cycle.
6. Write a note on Forensic auditing.
7. Explain DES algorithm.

SECTION - C

Answer any **four** questions. (4×10=40)

8. Explain different forms of cyber crime.
9. a) What is a BOTNET? Explain the concept of bots used as frauds activities.
   b) Explain different types of phishing techniques.
10. Write note on followings
    a) Network Forensic
    b) Computer Forensic
11. a) Explain SQL injection techniques
    b) Explain Attacks on wireless networks.
12. Explain Chinese remainder theorem with an example.