

24NN806

Roll No. _____

Total No. of Pages.: 02

24NN806

MCA II Semester (New Scheme) Main/ Back Exam-2023-24

MCA 226 – Cyber Security and Digital Forensics

Time : 3 Hours

Maximum Marks: 80

Min. Passing Marks: 26

Instructions to Candidates:

- Student has to attempt all 10 very short answer type questions (2 marks each).
- Student has to attempt all 5 short answer types questions (4 marks each).
- Student has to attempt all 5 questions (8 marks each).

Use of following supporting materials is permitted during examination. (Mentioned in form No. 205)

1 __NIL__

2 __NIL__

PART A

Attempt all 10 questions. Each question carries two marks.

[2x10=20]

- Q.1 What is Cyber Stalking?
- Q.2 Define Salami Attack.
- Q.3 How to Collect Digital Evidences for forensic analysis?
- Q.4 What is DDOS attack?
- Q.5 Define Buffer overflow attack.
- Q.6 What is digital evidence?
- Q.7 What is difference between hacking and forensic?
- Q.8 What are the characteristics of digital evio9dence?
- Q.9 What is spamming?
- Q.10 What is ransomware?

P.T.O.

PART B

Attempt all 5 questions. Each question carries four marks.

[4x5=20]

- Q.1. What is cyber forensic and its application in combating cybercrime?
- Q.2. What is IP tracking. Explain how it is useful in cyber-crime investigation.
- Q.3. Explain Role of E-mail in Investigations.
- Q.4. How digital evidences are controlled from contamination?
- Q.5. Define cyber-attack? What are the various ways to carry out cyber-attacks?

PART C

Attempt all 5 questions. Each question carries eight marks.

[8x5=40]

- Q.1. Describe the Data Acquisition Procedures for Cell Phones and Mobile Devices.
- Q.2. Define Network forensics and explain its designing principle.
- Q.3. Explain the procedures to be carried out at a digital crime scene.
- Q.4. List and explain the offences as per Indian IT Act with an example.
- Q.5. What are the obstacles in collecting digital evidence?

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