

M.Sc. - I (Computer Science) (NEP Pattern) Semester-II  
**02MSCCS04-3 - Elective-III Paper-IV : Digital and Cyber Forensic**

P. Pages : 2

Time : Three Hours



**GUG/W/24/15364**

Max. Marks : 80

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- Notes :
1. All questions are compulsory & carry equal marks.
  2. Draw neat and labelled diagram and use supporting data wherever necessary.
  3. Avoid vague answer and write specific answer related to question.

**Either:**

1. a) What is web phishing? How it can be stopped or controlled? Explain. 8
- b) Explain the role of computer in crime. 8

**OR**

- c) What are the different components of network? 8
- d) Explain the challenges associated with Making “Cybercrime” Laws in detail. 8

**Either:**

2. a) What is crime? How computers used in Terrorism? Explain in brief. 8
- b) What is MAC? Explain how to protect users on the Internet. 8

**OR**

- c) Explain the Anti-virus and firewall software in brief. 8
- d) Explain the terms- 8
  - i) Stalking
  - ii) Child pornography

**Either:**

3. a) What is evidence? Explain different types of evidence in detail. 8
- b) Explain state laws and DMCA in detail. 8

**OR**

- c) How to check the Admissibility of Evidence? Explain in detail the 4<sup>th</sup> Amendment regarding Preservation of Digital Evidence. 8
- d) Explain various laws related to computer. 8

**Either:**

- 4. a) How can Modify, Access, and Create (MAC) dates be utilized to establish a timeline of events in a forensic investigation? 8
- b) What is File? Explain file system in detail. 8

**OR**

- c) Describe the concept of computer architectures and discuss various computer architectures in detail. 8
- d) Explain the following terms- 8
  - i) Ethernet
  - ii) Com

- 5. Solve all the questions.
- a) Write the History and future of cybercrime. 4
- b) What is Trespass? 4
- c) Explain Demonstrative Evidence with example. 4
- d) Discuss the role and components of a motherboard in a computer system, including its various ports and slots. 4

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