

# **BHARATI VIDYAPEETH INSTITUTE OF TECHNOLOGY**

## **QUESTION BANK**

### **Unit Test-1**

Program: - INFORMATION TECHNOLOGY

Program Code:- IF

Course Title: - Digital Forensic & Hacking

Semester: - Sixth

Course Abbr &Code:- DFH (316315)

Scheme: K

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### **Chapter-1**

(2 Marks)

Q.1

1) Define the following terms with its type.

i) Digital Forensic (R)

ii) Cyber Attack (R)

iii) Cyber Crime (R)

2) List types of Digital forensic. (R)

3) State any two rules of digital forensic. (R)

4) State application of computer forensic in public sector. (A)

5) State application of computer forensic in private sector. (A)

(4 Marks)

Q.2

1) Explain digital forensic process with neat diagram. (U)

2) State goals and application of digital forensic. (R)

3) Describe types of Digital forensic.

- 1) Computer forensic (U)
- 2) Network forensic (U)
- 3) Cloud forensic (U)
- 4) Mobile forensic (U)
- 5) Database forensic (U)
- 4) Apply a digital Investigation Process to investigate a system breach case. (A)

## **Chapter-2**

(2 Marks)

Q.1

- 1) Define Anti-Forensic (R)
- 2) State ethical norms for investigator. (R)
- 3) List digital forensic investigation model. (R)
- 4) Draw Abstract Digital Forensic Model steps. (U)
- 5) Compare ADFM and EEDIP model. (A)

(4 Marks)

Q.2

- 1) Explain following models. (4M each). (U)
  - i) DFRWS Model.
  - ii) IDIP Model.
  - iii) EEDIP Model.
  - iv) UML Model.

2) Write a short note on ethical norms for investigators. (R)

3) Explain the following challenges in digital forensic. (4M each) (U)

- i) Encryption
- ii) Volume of data
- iii) Anti-Forensic
- iv) Legal and ethical challenges

### **Chapter-3**

(2 Marks)

Q.1

1) What is digital evidence. (U)

2) Define chain of custody. (R)

(4 Marks)

Q.2

1) Explain the order of Volatility. (U)

2) Explain chain of custody with diagram. (U)

3) Document a crime scene using photography and notes. (A)