



# GEETHANJALI INSTITUTE OF SCIENCE & TECHNOLOGY

(AUTONOMOUS)



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## QUESTION BANK (DESCRIPTIVE)

**Subject Name with Code: CYBER CRIMES & DIGITAL FORENSICS (23A3706T)**

**Year & Semester: III-II Regulation: RG23**

**Course & Branch: B. TECH & CSE (CYBER SECURITY)**

### UNIT - I

#### 2 Marks Questions (Short)

S.No.	Question	Levels/ CO'S/Marks
1	What is Cyber Crime?	(L1/CO1/2M)
2	How does cyber crime differ from traditional crime?	(L2/CO1/2M)
3	Define the scope of cybercrime?	(L1/CO1/2M)
4	How does the global nature of the internet increase cyber crime?	(L2/CO1/2M)
5	What is phishing in social engineering?	(L1/CO1/2M)
6	Why are social engineering attacks effective?	(L2/CO1/2M)
7	Explain cyber crime against government with an example.?	(L2/CO1/2M)
8	What are the main categories of cyber crime?	(L1/CO1/2M)
9	Define intellectual property theft in cyber crime?	(L1/CO1/2M)
10	Explain how cyber crime affects digital property?	(L2/CO1/2M)

#### 10 Marks Questions (Short)

S.No.	Question	Levels/ CO'S/Marks
1	What is cyber crime and how can its introduction and overall development be explained in the digital era? Why has cyber crime become a major global issue?	(L2/CO1/10M)
2	Describe the nature and scope of cyber crime with suitable examples?	(L2/CO1/10M)
3	Explain why cyber crime has become a serious threat to individuals, organizations, and governments?	(L2/CO1/10M)
4	What is the impact of cyber crime on modern society and the global economy?	(L3/CO1/10M)
5	Explain social engineering as a type of cyber crime and discuss its major techniques?	(L2/CO1/10M)
6	How can users be protected from social engineering attacks? Discuss suitable preventive measures?	(L3/CO1/10M)
7	Explain the various categories of cyber crime with appropriate examples?	(L2/CO1/10M)
8	What are cyber crimes against individuals and how do they differ from cyber crimes against organizations?	(L3/CO1/10M)
9	What is property cyber crime and how do software piracy and intellectual property theft occur as its major forms?	(L2/CO1/10M)
10	What is the impact of property cyber crimes on business and how do they affect the economy?	(L3/CO1/10M)

### UNIT - II

#### 2 Marks Questions (Short)

S.No.	Question	Levels/ CO'S/Marks
1	What is meant by unauthorized access to computers and why is it considered a cyber offence?	(L2/CO2/2M)

2	How do computer intrusions differ from normal system access?	(L2/CO2/2M)
3	What are white-collar crimes and how are computers used to commit them?	(L2/CO2/2M)
4	Why are viruses and malicious code considered a serious threat to computer systems?	(L2/CO2/2M)
5	How does internet hacking differ from cracking in cyber crime?	(L2/CO2/2M)
6	How do virus attacks affect system performance and data security?	(L3/CO2/2M)
7	Why is software piracy treated as a cyber crime and how does it violate intellectual property rights?	(L3/CO2/2M)
8	What is a mail bomb and how does it disrupt network services?	(L2/CO2/2M)
9	How do cyber crimes such as online exploitation, stalking, and obscenity affect internet users?	(L3/CO2/2M)
10	What role do digital laws and law-enforcement agencies play in responding to cyber crimes?	(L3/CO2/2M)

#### **10 Marks Questions (Long)**

S.No.	Question	Levels/ CO'S/Marks
1	what is unauthorized access to computers and how do computer intrusions take place? Explain their consequences with suitable examples?	(L2/CO2/10M)
2	What are white-collar crimes in the cyber domain and how are computers and the internet misused to commit such crimes?	(L2/CO2/10M)
3	What are viruses and malicious code and how do virus attacks affect computer systems, networks, and data security?	(L2/CO2/10M)
4	How do internet hacking and cracking differ from each other and why are they considered serious cyber crimes?	(L3/CO2/10M)
5	What is cyber pornography and how does it contribute to exploitation, stalking, and obscenity on the internet?	(L2/CO2/10M)
6	What is software piracy and how does it violate intellectual property rights in the digital environment?	(L2/CO2/10M)
7	What are mail bombs and how do they disrupt communication systems and network services?	(L2/CO2/10M)
8	How do cyber crimes such as online exploitation, stalking, and obscenity impact individuals and society?	(L3/CO2/10M)
9	What are digital laws and legislation and how do they address various forms of cyber crime?	(L3/CO2/10M)
10	What are the roles and responses of law-enforcement agencies in the prevention, investigation, and control of cyber crimes?	(L3/CO2/10M)

### **UNIT - III**

#### **2 Marks Questions (Short)**

S.No.	Question	Levels/ CO'S/Marks
1	Define digital evidence?	(L2/CO3/2M)
2	List any two tools used in cyber crime investigation?	(L2/CO3/2M)
3	Why is evidence preservation important in cyber crime investigation?	(L3/CO3/2M)
4	What is e-mail investigation?	(L2/CO3/2M)
5	What are the steps involved in digital evidence collection?	(L2/CO3/2M)
6	Why are encryption and decryption essential for securing digital information?	(L3/CO3/2M)
7	How is e-mail recovery performed and why is it important in cyber crime investigations?	(L3/CO3/2M)
8	What is recovering deleted digital evidence?	(L2/CO3/2M)
9	What is password cracking?	(L2/CO3/2M)
10	Why are hands-on case studies important in cyber crime investigation?	(L3/CO3/2M)

### **10 Marks Questions (Long)**

<b>S.No.</b>	<b>Question</b>	<b>Levels/ CO'S/Marks</b>
1	What is cyber crime investigation and how does it differ from traditional crime investigation?	(L2/CO3/10M)
2	What are the major tools used in cyber crime investigation and how do they assist investigators?	(L2/CO3/10M)
3	What is digital evidence and how is it identified and collected during a cyber crime investigation?	(L2/CO3/10M)
4	How is digital evidence preserved and why is evidence preservation critical in cyber crime cases?	(L3/CO2/10M)
5	What is e-mail investigation and how are e-mail tracking and IP tracking performed in cyber crime cases?	(L3/CO2/10M)
6	What is e-mail recovery and how can deleted or lost e-mail evidence be retrieved?	(L2/CO3/10M)
7	What is meant by search and seizure of computers and how is it carried out legally during investigations?	(L2/CO3/10M)
8	How can deleted digital evidence be recovered and what challenges are involved in the recovery process?	(L3/CO2/10M)
9	What are encryption and decryption methods and how do they affect cyber crime investigations?	(L2/CO3/10M)
10	What is password cracking and how is it used in investigations? Explain with reference to practical case studies?	(L3/CO2/10M)

### **UNIT - IV**

#### **2 Marks Questions (Short)**

<b>S.No.</b>	<b>Question</b>	<b>Levels/ CO'S/Marks</b>
1	What is meant by digital forensics?	(L2/CO4/2M)
2	Define forensic software and forensic hardware?	(L2/CO4/2M)
3	How does forensic technology support investigative practices?	(L3/CO4/2M)
4	What is forensic ballistics and forensic photography?	(L2/CO4/2M)
5	What is network forensics and why is it important in cyber crime investigations?	(L3/CO4/2M)
6	What is face, iris, and fingerprint recognition in forensic investigations?	(L2/CO4/2M)
7	How is Windows system forensics performed during an investigation?	(L3/CO4/2M)
8	What is audio and video analysis in digital forensics?	(L2/CO4/2M)
9	How is Linux system forensics different from Windows system forensics?	(L3/CO4/2M)
10	What are advanced forensic tools used in cyber investigations?	(L2/CO4/2M)

#### **10 Marks Questions (Long)**

<b>S.No.</b>	<b>Question</b>	<b>Levels/ CO'S/Marks</b>
1	What is digital forensics? Explain its objectives and importance in investigating cyber crimes?	(L2/CO4/10M)
2	What are forensic software and forensic hardware? Discuss their role in analyzing digital evidence?	(L2/CO4/10M)
3	Explain the steps involved in digital forensic analysis and the use of advanced forensic tools?	(L2/CO4/10M)
4	How does forensic technology support investigation practices? Discuss its applications in real-time digital forensics?	(L3/CO4/10M)
5	What is forensic ballistics and forensic photography? Explain how these techniques assist in investigations?	(L2/CO4/10M)
6	Explain face, iris, and fingerprint recognition. How are these biometric methods applied in forensic investigations?	(L2/CO4/10M)

7	What is audio and video analysis in digital forensics? Explain how evidence is extracted from multimedia sources?	(L2/CO4/10M)
8	Explain Windows system forensics. Discuss the tools and methods used to investigate Windows-based systems?	(L3/CO4/10M)
9	How is Linux system forensics different from Windows forensics? Explain the methods used in Linux investigations?	(L3/CO4/10M)
10	What is network forensics? Explain how network forensic techniques help in detecting and investigating cyber crimes?	(L3/CO4/10M)

## UNIT - V

### 2 Marks Questions (Short)

S.No.	Question	Levels/ CO'S/Marks
1	What are laws and ethics in the context of cyber crime?	(L2/CO5/2M)
2	Why are legal policies important in cyber crime investigations?	(L2/CO5/2M)
3	What is the Indian Penal Code (IPC) and how does it relate to cyber crime offences?	(L3/CO5/2M)
4	What is the Code of Criminal Procedure (CrPC) and how is it applied in cyber crime cases?	(L3/CO5/2M)
5	How do laws and ethics influence cyber crime investigations and enforcement?	(L3/CO5/2M)
6	How is digital evidence controlled during cyber crime investigations?	(L3/CO6/2M)
7	What are the basic procedures for handling digital evidence?	(L2/CO6/2M)
8	How does proper evidence handling support legal proceedings in cyber crime cases?	(L3/CO6/2M)
9	What is the Indian Evidence Act and how is it relevant to cyber crime investigation?	(L2/CO6/2M)
10	What is the Electronic Communication Privacy Act (ECPA) and how does it protect digital communications?	(L2/CO6/2M)

### 10 Marks Questions (Long)

S.No.	Question	Levels/ CO'S/Marks
1	What are laws and ethics in the context of cyber crime? Explain their significance in regulating digital activities and protecting users.	(L2/CO5/10M)
2	What is the Electronic Communication Privacy Act (ECPA)? Explain its role in protecting digital communications and privacy.	(L2/CO5/10M)
3	What is the Code of Criminal Procedure (CrPC)? Discuss how it is applied during cyber crime investigations.	(L2/CO5/10M)
4	What is the Indian Penal Code (IPC)? Explain how IPC provisions apply to cyber crime offences.	(L3/CO5/10M)
5	How do legal policies influence cyber crime investigations? Discuss their importance in enforcing cyber laws and protecting digital rights.	(L3/CO5/10M)
6	How do laws, ethics, and legal policies together regulate cyber activities and ensure accountability in digital environments?	(L3/CO5/10M)
7	Explain the Indian Evidence Act and discuss its relevance to the admissibility of digital evidence in courts.	(L2/CO6/10M)
8	What is digital evidence control? Explain the procedures and measures used to maintain integrity and authenticity of digital evidence.	(L2/CO6/10M)
9	How is digital evidence handled in cyber crime investigations and why is proper handling important?	(L3/CO6/10M)
10	How does proper evidence handling and digital evidence control support legal proceedings in cyber crime cases?	(L3/CO5/10M)