

**CYBER LAW AND SECURITY POLICY  
(INFO 4142)**

**Time Allotted : 3 hrs**

**Full Marks : 70**

*Figures out of the right margin indicate full marks.*

*Candidates are required to answer Group A and any 5 (five) from Group B to E, taking at least one from each group.*

*Candidates are required to give answer in their own words as far as practicable.*

**Group – A  
(Multiple Choice Type Questions)**

1. Choose the correct alternative for the following: **10 × 1 = 10**
- (i) \_\_\_\_\_ is a written Cyber defamation.  
(a) Slander (b) Libel  
(c) Ribel (d) None of these
- (ii) \_\_\_\_\_ is an example of Cybercrime against property.  
(a) Logic bomb (b) Cyber terrorism  
(c) Password sniffing (d) Internet time theft
- (iii) \_\_\_\_\_ makes untraceable activity on the Internet.  
(a) Proxy server (b) Malwares  
(c) Keyloggers (d) Anonymizer
- (iv) Ping flood is associated with\_\_\_\_\_.  
(a) Ping of death attack (b) Nuke  
(c) Teardrop attack (d) Flood attack
- (v) Sniffing is a technique used for\_\_\_\_\_.  
(a) Attack on computer hardware (b) Attack on computer software  
(c) Attack on operating system (d) Attack on wireless network
- (vi) Phishing method that relies on introducing malicious code into websites and E-Mails.  
(a) Dragnet (b) Gillnet  
(c) Rod and Reel (d) All of these.
- (vii) Filter evasion is a \_\_\_\_\_ technique.  
(a) Identity Theft (b) Vishing  
(c) Phishing (d) None of these.

- (viii) \_\_\_\_\_ Identity theft involves personal information from many victims and combines them.  
(a) Financial (b) Child  
(c) Medical (d) Synthetic
- (ix) What is the name of the viruses that fool a user into downloading and/or executing them by pretending to be useful applications?  
(a) Cracker (b) Worm  
(c) Trojan horses (d) Keylogger
- (x) Which one of the following is not a malware?  
(a) Worm (b) Application Software  
(c) Trojan (d) None of the above.

**Group – B**

2. (a) What is Botnet Menace?  
(b) Explain two Cybercrimes in each of the following category  
(i) Cybercrime against Individual  
(ii) Cybercrime against Property  
(iii) Cybercrime against Organization  
(iv) Cybercrime against Society.  
(c) Differentiate between Techno-crime and Techno-vandalism. **2 + (4 × 2) + 2 = 12**
3. (a) Explain Brown hat hacker, Grey hat hacker and Green hat hacker. What is Patriot Hacking?  
(b) Explain any four Active attack tools used in Cybercrime.  
(c) How does Cyber stalking work?(Explain all steps in detail) **(3 + 1) + 4 + 4 = 12**

**Group – C**

4. (a) Discuss any five types of attacks on mobile phones.  
(b) Explain the techniques of Credit card fraud. Explain the attacks on Bluetooth technology. **5 + (3 + 4) = 12**
5. (a) What is Smishing attack? Explain LDAP security in context to mobile device. Suggest some techniques to prevent Smishing attack?  
(b) Compare between Blue Scanner and Blue Diving. Explain the countermeasures to be practiced to prevent attacks on mobile/cell phones. **(2 + 2 + 2) + (2 + 4) = 12**

### Group – D

6. (a) What is Anonymizer? State the purposes of Proxy server.  
(b) What is SQL Injection? Explain the steps in SQL Injection attack. How to prevent SQL Injection attack?  
**(1 + 3) + (1 + 4 + 3) = 12**
7. (a) Explain different types of DoS (Denial of Service) attacks in detail.  
(b) What is Permanent Denial of Service (PDoS) attack? State the preventive measures of DDoS (Distributed Denial of Service) attack.(Any four)  
**6 + (2 + 4) = 12**

### Group – E

8. (a) Differentiate between Phishing and Spambots. Explain the methods of Phishing. Differentiate between Geo tagging and Tab napping.  
(b) Differentiate between Whaling and Spear Phishing.  
**(2 + 4 + 3) + 3 = 12**
9. (a) State the preventive measures from being a victim of Business Identity Theft.  
(b) Discuss any four tools to protect online identity.  
(c) State and discuss the steps of Forensic investigation.  
**4 + 4 + 4 = 12**

Department & Section	Submission Link
IT	<a href="https://classroom.google.com/c/MTE4MTY3ODAwNjQy/a/Mjc0ODQ5ODIxODQw/details">https://classroom.google.com/c/MTE4MTY3ODAwNjQy/a/Mjc0ODQ5ODIxODQw/details</a>