009707

December 2021
B.Tech. (EIC) - VII SEMESTER
Cyber Laws & Security (OE-708)

Time : 90 Minutes]   [Max. Marks : 25

Instructions :

1. *It is compulsory to answer all the questions (1 mark each) of Part-A in short.*
2. *Answer any three questions from Part-B in detail.*
3. *Different sub-parts of a question are to be attempted adjacent to each other.*

PART - A

1. (a) What is the need of cyber law and cyber security? (1)

    (b) What is e-governance and cyber jurisprudence? (1)

    (c) How Internet and web services plays important role in today's time? (1)

    (d) What is the concept of cyber-crime and the IT Act, 2000? (1)

    (e) Differentiate between EDI and E-Governance. (1)

    (f) Write the features of Firewalls. (1)

(g) What are the key steps to be taken for ensuring Transaction Integrity? (1)

(h) Differentiate Access control and authentication security process. (1)

(i) What do you mean by cyber stalker and phishing? (1)

(j) Why do we needpolicies of network security for intrusion monitoring? (1)

PART - B

2. (a) What are the basic principles of information security and explain 'how distributed network can overcome the drawbacks of changing nature of information system'? (2.5)

(b) What is the difference between threats and attacks? How many types of attacks can be possible on the network? (2.5)

3. (a) What is electronic governance? What are the duties of a subscriber of digital signature certificate? (2.5)

(b) Explain cyber-crime and criminal justice in Indian IT Act, 2000 in detail. (2.5)

4. (a) Explain the basic principles of information security in detail. (2.5)

(b) Explain the role of Certification Authority and digital Certificates in computer security protection. (2.5)

5. (a) What do you know about IPR, patent law and copyright law? (2.5)

(b) What is Cryptography? Discuss the various principles involved in private and public key cryptography. (2.5)

6. Write short note on :

(a) Information System Threats and attacks. (2.5)

(b) Message and Entity Authentication Mechanisms. (2.5)

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