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020504

December 2023

B.Tech. (RAI) - V SEMESTER

Cyber Laws and Security (OEC-RAI-502-21)

Time : 3 Hours]

[Max. Marks : 75

Instructions :

- 1. It is compulsory to answer all the questions (1.5 marks each) of Part-A in short.*
- 2. Answer any four questions from Part-B in detail.*
- 3. Different sub-parts of a question are to be attempted adjacent to each other.*

PART-A

- (a) What do you mean by information classification? (1.5)

(b) Define encryption. (1.5)

(c) What are the needs of physical security in an organization? (1.5)


(d) What do you understand by EDI? (1.5)

(e) What is copyright law? (1.5)

(f) What is a firewall? (1.5)

(g) What is ethical hacking? (1.5)

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- (h) What is e-governance? (1.5)
(i) What do you understand by digital signature? (1.5)
(j) What is a patent? (1.5)

PART-B

2. (a) What are the different security policies on Laptops and wireless devices? Explain. (8)
(b) Explain cyber security implications for organizations. (7)
3. (a) How do the Internet and the Web change business in e-commerce? Discuss. (8)
(b) Describe the interoperability issues in biometric systems. (7)
4. Discuss the basic tenets of physical security and physical entry control in an organization. (15)
5. (a) Explain the dimensions of network security. (8)
(b) Discuss security vulnerabilities in VPN. (7)
6. (a) Discuss different types of cryptography. (10)
(b) Explain the concept of public key and private key in cryptography. (5)
7. Discuss different types of cybercrimes and related punishments in India. (15)