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B.Tech. Examination, 2017

(Fifth Semester)

(I.T. Branch)

INFORMATION SECURITY AND CYBER LAWS

Paper - V

Time Allowed : Three Hours

Maximum Marks : 100

Note : Attempt any five questions. All questions carry equal marks.

Q. 1. (a) What do you understand by Information Systems ? Explain various components of Information system with example. **10**

(b) Discuss various information system threats and attacks. **10**

Q. 2. (a) Discuss various security challenges in Mobile Devices. **10**

(b) Explain how confidentiality can be achieve. Explain the term Integrity in Information Security. **10**

Q. 3. (a) How can a biometric be used for access control ? Discuss the criteria for selection of biometrics. **10**

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Q. 3. (a) What are security threats ? Explain in brief. **5**

(b) What is EDI advantage and disadvantage of EDI ? **5**

Q. 4. (a) What are the points that the attacker can target in E-Commerce ? **5**

(b) What do you mean E-Commerce and types of E-Commerce ? **5**

Q. 5. (a) What is firewall ? Explain how a company can protect using a firewall ? **5**

(b) What is meaning of physical security as compared to computer security ? **5**

Q. 6. (a) What is Authentication and types of Authentication ? Explain. **5**

(b) What is Cyber Law ? Explain some of major cyber law in India. **5**

Q. 7. Write short note on any two points ? **10**

(i) VPN

(ii) Digital Signature

(iii) Cryptography

(iv) Credit Card & Debit Card

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B.Tech. Examination, 2015

(Sixth Semester)

(C.S.)

Paper - II

INFORMATION SECURITY AND CYBER LAWS

Time Allowed : Three Hours

Maximum Marks : 50

Note : Attempt any FIVE questions. All questions carry

equal marks.

Q. 1. (a) What is the role of biometrics in information

security ? **5**

(b) Which are the important factor comprising

biometrics ? **5**

Q. 2. (a) What do you mean by Information System ?

Explain in brief. **5**

(b) What is need of distributed information

system ? **5**

    (b) Explain the security threats to E-Commerce. **10**

Q. 4.   (a) What is biometric ? Discuss design issues in Biometric systems. **10**

    (b) Compare and contrast the E-cash based payment system with credit card based payment system. **10**

Q. 5.   (a) What is cryptography ? Distinguish between symmetric and asymmetric key cryptography. **10**

    (b) What do you mean by Digital Signature ? How Digital Signatures are related to Public Key Cryptography System ? **10**

Q. 6.   (a) What do you mean by VPN ? Discuss how a VPN is established. **10**

    (b) What is cyber crime ? Discuss the cyber laws in India. **10**

Q. 7.   Write short notes on any two of the following : **20**

    (a) EDI

    (b) Firewall

    (c) Intrusion Detection

    (d) Security Metrics

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B.Tech. Examination, 2013

(Fifth Semester)

(I.T.Branch)

Paper - V

Information Security and Cyber Laws

Time : Three Hours]   [Maximum Marks : 100

Note :–   Attempt any five questions

1. (a) What are the issues in security in mobile and wireless computing   10

    (b) Explain the patent law and copyright law in brief   7

    (c) Write the name of the section Punishment for dishonestly receiving stolen computer resource or communication device of IT Act   3

2. (a) Explain the concept confidentiality, integrity availability with suitable example   10

    (b) What do you understand by VPN? And also explain various types of VPN protocol in detail   10

3. (a) What do you understand by e commerce? And also explain various types of e-commerce   10

b) What are finger print and also write the benifits of Bio-metric system?

05

(c) Discuss IT Act , 2000 in brief

05

(a) Explain the model of Cryptography system with suitable diagram.

10

(b) What are different concept in cryptography?

10

- (a) Explain the system of Keys

5

(b) What do you understand by Public key cryptography?

10

(c) Explain the purpose of Section 66-A of IT Act.

5

(a) Explain the requirement of the digital signature system

12

(b) Define the firewall

5

(c) Write the name of the section Punishment for sending offensive message through communication service of IT Act.

3

(a) Explain the different types of firewall

10

(b) Explain the different types of Network attacker.

10