Printed Pages : 2

EIT505

(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 110605

Roll No. | | | | | | | | | |

B. Tech.

(SEM. VI) THEORY EXAMINATION, 2014-15

INFORMATION SECURITY AND CYBER LAWS

Time : **2** Hours]   [Total Marks : **50**

1   Attempt **any four** parts of the following: 3×4=12

   (a)   Define the term "tunnelling" in VPN. Expalin its different types of it.

   (b)   Discuss the different approaches used for Intrusion Detection in a system.

   (c)   Differentiate between direct and indirect security metrics.

   (d)   What is Electronic Data Interchange? What are the benefits of EDI ?

   (e)   Write down the different factors of biometric system.

   (f)   Explain the following term:

      (i)   Confidentiality

      (ii)   Data Integrity

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2   Attempt **any four** parts of the following: 3×4=12

   (a)   Explain the biometric system with the help of a diagram.

   (b)   What is VPN ? Discuss different types of VPN.

   (c)   Differentiate between Credit card and Debit card.

   (d)   What is E-Commerce? Explain different types of it.

   (e)   What is Physical Security? Write down the basic tenets of physical security.

   (f)   Discuss the ethical and legal issues in software piracy.

3   Attempt **any Two** parts of the following: 7×2=14

   (a)   What do you mean by cyber cime? Discuss different types of cyber crime in detail.

   (b)   Write down short note on the following:

       (i) IPR (ii) Patent Law (iii) Copyright Law

   (c)   What is information system? Explain the different characteristics and components of information system.

4   Attempt **any Two** parts of the following: 6×2=12

   (a)   What do you mean by access control to an information resource? Discuss differences between authentication and user identification.

   (b)   What is Digital Signature system? How digital signature are related to Public Key Cryptography?

   (c)   What are various types of threats to Information Systems? Discuss in detail.

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