Dronacharya Group of Institutions, Greater Noida
Electrical & Electronics Engineering Department
Question Bank

Subject: Cyber Security (AUC 002)   **Branch: EEE 3rd Semester**

UNIT-I

Q1: What do you mean by Information System? What is the need of Information System?

Q2: What are the types of Information System?

Q3: What are the steps involved in Information System?

Q4: What is the need to secure our Information System?

Q5 Explain the different Threats to Information System?

Q6 What do you mean by Information Assurance ?

Q7: What is Cyber Security and How it is different from Information Security?

Q8.What is information assurance and how is it provided?

Q9. Describe security risk and analysis?

Q10.How do you classify the information system in general?

Unit-II

Q1: What do you mean by Application Security? Explain the steps involved in securing Database?

Q2: Explain the S-MIME protocol for Secure E-Mail?

Q3: Explain the need to take Backup?

Q4: Explain Firewall and working of Firewall?

Q5: Explain the working of of Virtual Private network?

Q6: What do you mean by packet filtering in Firewall?

Q7: Explain the difference between Virus , Worms and Trozan Horse?

Q8. What is the data security consideration? Explain in this reference Data backup security, Data archival security and Data disposal considerations?

Q9: Write a short note on

    a. E-Cash
    b. Credit/Debit Cash
    c. Digital Signature

Unit-III

Q1. How can be Intrusion Detection system is the backbone of Information system? Justify along with its categories?

Q2 what do you mean by Application Security? Name the two protocol use for Email Security and Explain?

Q3. Explain the concept of cryptography by using the diagrammatical approach of it? Define the transformation method of it?

Q4. Elaborate the term access control? What is include in authorization process for (File, Program, Data rights) and explain the all types of control?

Q5. Define Vendor challenges and user challenges for application security?

Q6. How Tunneling takes place in VPN? Explain the advantage of VPN

Unit-IV

Q1. What do you mean by policy? why it is developed and reviewed?

Q2:. Explain Email Policy?

Q3. Elaborate Cyber crime play a vital role against person ,property and govt. to protect all valuable information and rights?

Q4.Explain in what situation semiconductor law comes in consideration and how it differes from patent law?

Q5. Write a short note on

a) Patent Law

b) Copy write Law

C) IPR