RNS INSTITUTE OF TECHNOLOGY

Department of Electronics and Communication Engg.

QUESTION BANK

Module: 1

VIII (A,B,C) SEM

SUB: NETWORK SECURITY **SUB CODE:18EC821**

1. What is the need for network security?
2. Explain systematically security approaches in the network.
3. List the principles of security.
4. Define confidentiality?
5. What is authentication?
6. What is integrity?
7. What is non-repudiation?
8. What is access control and availability?
9. What are the ethical and legal issues in security principles?
10. Mention the types of attacks.
11. Summerize the key characteristics of the four generation of antivirus.
12. What is masquerade? What principle of security is breached because of the?
13. What is replay attacks? Give an example.
14. What is denial of service attack.
15. What is worm? What is the significant difference between a worm and the virus?
16. What are the different phases the virus would go through during its lifetime?
17. Classify the virus.
18. Define and explain Trojan Horse.
19. How to deal with virus.
20. Explain the Passive and Active attacks with example.

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QUESTION BANK

VIII (A,B,C) SEM **Module: 2**

SUB: NETWORK SECURITY **SUB CODE:18EC821**

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1. List the new challenges faced by web.
2. Compare web security threats.
3. Show the relative location of security facilities in the TCP/IP protocol stack.
4. Give an architecture of SSL or SSLv3 protocol stack.
5. What protocols comprise SSL?
6. What is the difference between an SSL connection and an SSL session?
7. List and briefly define the parameters that define an SSL session state.
8. List and briefly define the parameters that define an SSL session connection.
9. What services are provided by the SSL Record Protocol?
10. What steps are involved in the SSL Record Protocol transmission?
11. What is the purpose of HTTPS and explain the same.
12. For what applications is SSH useful?
13. List and briefly define the SSH protocol.
14. Explain the SSL Handshake protocol.
15. Differentiate between SSL and TLS protocol.
16. Explain the SSL Alert Protocol.
17. Explain Change cipher spec protocol.