

- (d) Spyware
- 1-d. IPsec is designed to provide security at the _____ (CO4) 1
- (a) Transport
 - (b) Network
 - (c) Application
 - (d) Session
- 1-e. This indicates one type of Intellectual Property (CO5) 1
- (a) Copyright
 - (b) Government property
 - (c) Personal privacy
 - (d) All the above

2. Attempt all parts:-

- 2.a. What is the use of Executive Support System? (CO1) 2
- 2.b. What is a trapdoor in cyber security. (CO2) 2
- 2.c. What are security issues with storage devices? (CO3) 2
- 2.d. What is public-key in cryptography? (CO4) 2
- 2.e. What makes a good cyber security policy? (CO5) 2

SECTION B 15

3. Answer any three of the following:-

- 3-a. Explain the types of risk analysis. (CO1) 5
- 3-b. Discuss E-Payment System also list various methods to secure e payment system. (CO2) 5
- 3-c. Intrusion detection system and closed circuit televisions plays an important role in providing physical security to our information system. Explain. (CO3) 5
- 3-d. Discuss authentication mechanism used in VPN. (CO4) 5
- 3-e. Discuss a case study where email security is important. (CO5) 5

SECTION C 20

4. Answer any one of the following:-

- 4-a. Differentiate between Information assurance and Information security (CO1) 4
- 4-b. Discuss feasibility study in any software development model. (CO1) 4

5. Answer any one of the following:-

- 5-a. Explain HIDS with an example. (CO2) 4

- 5-b. Differentiate between Virus , worms and Trojan horse. (CO2) 4
6. Answer any one of the following:-
- 6-a. Elaborate how can biometric be used for access control. (CO3) 4
- 6-b. Describe the role of physical security in network security? (CO3) 4
7. Answer any one of the following:-
- 7-a. Differentiate between Stream Cipher and Block Cipher? (CO4) 4
- 7-b. What are the public key distribution methods? Describe. (CO4) 4
8. Answer any one of the following:-
- 8-a. What are the elements of supply chain security? (CO5) 4
- 8-b. How is cloud different from traditional data centers? (CO5) 4