

- (d) Chat-rooms
- 1-d. The system uses a trusted third party interface. (CO4) 1
- (a) Public-Key Certificates
- (b) Public announcements
- (c) Publicly available directories
- (d) Public-Key authority
- 1-e. Which of the following service provider provides the least amount of built in security? (CO5) 1
- (a) SaaS
- (b) PaaS
- (c) IaaS
- (d) All of the above

2. Attempt all parts:-

- 2.a. Briefly explain the drawback of Prototype Model. (CO1) 2
- 2.b. What is a Credit Card? (CO2) 2
- 2.c. Explain Secure Architecture Design. (CO3) 2
- 2.d. Define Ciphertext with an example. (CO4) 2
- 2.e. Mention the steps involved in Security Evaluation process. (CO5) 2

SECTION B

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3. Answer any three of the following:-

- 3-a. Explain the components of Information System with their major activities. (CO1) 5
- 3-b. How does denial of service (DOS) attack affect a business organization? (CO2) 5
- 3-c. How social media is adversely affecting the cyber space community? Explain. (CO3) 5
- 3-d. Elaborate the advantages and disadvantages of Public key cryptography. (CO4) 5
- 3.e. Describe the important steps in security policy review. (CO5) 5

SECTION C

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4. Answer any one of the following:-

- 4-a. Discuss the role of Management Information Systems. (CO1) 4
- 4-b. Explain threat agent in detail. (CO1) 4

5. Answer any one of the following:-

- 5-a. What are the benefits of access control? (CO2) 4

5-b. Explain Network layer firewalls in detail. (CO2) 4

6. Answer any one of the following:-

6-a. Discuss the steps that you will take to protect your backup files. (CO3) 4

6-b. Differentiate between authentication and authorization. (CO3) 4

7. Answer any one of the following:-

7-a. Describe the working of public key infrastructure (PKI). (CO4) 4

7-b. Explain Symmetric and Asymmetric key encryption with proper example. (CO4) 4

8. Answer any one of the following:-

8-a. What are security policy requirements? (CO5) 4

8-b. Explain the advantages of Supply Chain Management (SCM). (CO5) 4

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