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**BCACAC 382**

**Choice Based Credit System Sixth Semester B.C.A. Degree  
Examination, September 2022  
(2021-2022 Batch Onwards)  
NETWORK SECURITY AND MANAGEMENT**

Time : 3 Hours

Max. Marks : 80

**Note :** Answer **any ten** questions from Part – **A** and **one full** question from **each** Unit in Part – **B**.

PART – A

(10×2=20)

1. a) What is the difference between Plain text and Cipher text ?
- b) What are management principles ?
- c) What are the components of infrastructure security ?
- d) What is smart card ?
- e) What is Data Warehouse ?
- f) List some network vulnerabilities.
- g) What is the difference between HTTP and S-HTTP ?
- h) What is the importance of web security ?
- i) What is performance management ?
- j) What is risk management ?
- k) What are the two modes of internet banking ?
- l) What is cybercrime ?

P.T.O.



PART – B

Unit – I

- 2. a) Explain the various security attacks.
- b) Write a note on network security principles.
- c) Explain security policies, standards and guidelines. **(5+5+5)**
  
- 3. a) Explain different categories of data encryption methods.
- b) Describe the goals of infrastructure security.
- c) Write a note on physical securities. **(5+5+5)**

Unit – II

- 4. a) Explain the various biometric identification methods.
- b) Explain user VPNs.
- c) Write a note database security issues. **(5+5+5)**
  
- 5. a) Write a note on malicious software.
- b) Explain the different ways of authenticating user's identity.
- c) Describe the different types of firewall. **(5+5+5)**

Unit – III

- 6. a) Explain the need of Security analysis.
- b) Explain the basic goals of network management.
- c) Explain the client server architecture for web. **(5+5+5)**
  
- 7. a) Explain the importance of SSL/TLS for secure web services.
- b) Describe SNMP commands.
- c) How to manage change control across organization ? Explain. **(5+5+5)**

Unit – IV

- 8. a) How to identify the risk to an organization ? How to deal it ?
  - b) Explain incident management.
  - c) Explain incident response process. **(5+5+5)**
  
  - 9. a) Explain the need of E-Mail Policy.
  - b) Describe any five E-mail threats an organization faces.
  - c) Write a note on Indian Penal Code. **(5+5+5)**
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