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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

(10x2=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)