1. Define System Software.
2. Write the importance of I/O Unit.
3. What is meant by Operating system?
4. What is meant by CASETOOLS?
5. What are the major components of Client Server Network?
6. Write down any four functionalities of Routers in Network.
7. Write the components of HTTP.
PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Explain in detail about Memory Hierarchy.


10. Explain in detail about type of Network.

11. Explain in detail about Network Topologies.

12. Write short note on Internet function.

13. Explain in detail about Client and server software.


Information Security

INTRODUCTION TO INFORMATION SECURITY

Time : 3 hours Maximum marks : 75

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. What is meant by Smartcards?
2. Define Antivirus Software.
3. What is meant by Security Filters?
4. Define Confidentiality Integrity.
5. List out any four Unix Security issues.
6. What is the role of Database Object views?
7. What is meant by Window NT Security?
PART B — \(5 \times 10 = 50 \text{ marks}\)

Answer any FIVE questions.

8. Write short note on
   (a) Smart Cards
   (b) Biometrics.

9. Explain in detail the various VPN Techniques.

10. Discuss in detail Database Machine Architecture.

11. Highlight the features of Distributed database Security.


13. Explain in detail about Encryption Technique.

14. Discuss about various database views.

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Information Security
NETWORK SECURITY

Time : 3 hours Maximum marks : 75

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. What is meant by security attacks?
2. Define Steganography.
3. What is the purpose of symmetric ciphers?
4. Define key management.
5. Explain about linear crypt analysis.
6. Write any four requirements of authentication.
7. Define hash function.
PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Write short note on Steganography.

9. Explain in detail about public key cryptography.

10. Discuss about Cryptography.

11. Highlight the features of RSA algorithm.


14. Discuss the principles of block cipher.
P.G. DIPLOMA EXAMINATION —
JUNE, 2018.

Information Security
CYBER LAW AND CYBER SECURITY

Time : 3 hours  Maximum marks : 75

PART A — (5 x 5 = 25 marks)

Answer any FIVE questions.

1. Write the scope of cyber laws.
2. What is meant by domain name?
3. What is the purpose of cyber crimes and cyber laws?
4. Define Email security.
5. What is meant by cyber forensic?
6. List out the issues of credit card fraud.
7. Define Email Scam.
PART B — \((5 \times 10 = 50 \text{ marks})\)

Answer any FIVE questions.

8. Write short note on digital signature.

9. Explain in detail about public key cryptography.

10. Discuss the issues of cyber world.

11. Highlight the features of cyber forensics.

12. Write short note on server security.

13. Explain password breaking.

14. Discuss about credit card fault theft.