unit-1 (Introduction)

1) Meaning of Computer security and computer security?

(ii) what are computer crime?
(iv) Explain different elements in

Computer security?

Di what are computer comminals and methods of Defense.

W Difference between 15 & US & Netw-- ork security

unit-2 (cryptography)

() AES Encryption Algorithms

- 1) public key encryption with example. Morets and demorates of public key.
- (II) use of Encryption?
 (IV) what are the data encryption Standards?
- DExplain Elementary Cryptopraphy > substitution ciphers. 17 transpositions.
- (i) Making "Good Encryption also".

Unit-3 > profram security

- (1) what do you mean by sewer profram?
- What are =

 > Non-malicious program errors.

 > vinuses and other malicious lode
- Controls Against program threats.
- (11) what is operating system security.

what are 05 protected objects and methods of protection memory and address protection.

- W what are Files protection Mechanism. in details.
- D How is user authentication design ed in Trusted 0.5?
- What are operating system security policies?

 Explain models of 0.5 security.
- (VII) what are trusted 0.5 design?
 (VIII) Assurance in trusted 0.5, with

implementation examples.

Unit 4 - (Database security)

- O what do you mean by Database security.
- (1) Explain some aspects of Reliability and Integrity in database security.
- (11) what are security requirements in DB security?
- D'Explain aspects of: Sensitive data :- Inference: multilevel database (b) proposals for multilevel security.

unit-5 (security in Networks)

- 1) Threats in Network.
 (1) what are network security Control.
- (II) Explain > Finewalls.

 -) Intrusion Detection systems.

 -) Secure Email (Email Security)
- -) DDOS (Denial of Service)
- W what are network security protocol. Explain:

1) OSI model. (with figure)
O Explain Security at the Application layer: Security at the Application and S/MIME
DExplain security at transport layer: >> SSL an TLS
(VII) Explain security at Network layer: -> 19500
unit - 6 (Administered security)
1) Explain about security planning in administering security
(1) Explain RISK analysis.
(11) what are organizational security policies?
(10) Explain about physical security.
O what are legal privacy and Ethical

155Ues in computer security.

(1) ways to protecting propriams and

(II) what are information and the law of computer security.

(JII) Explain Rights of Employees & employees.

(ix) Explain about software failures and computer orme.

unit-7 (legal and Ethical Issue)

D what are protection of Lata & Information laws.

(i) what are the types of ethical

-> personal privacy. -> Access subht.

(1) Explain about:

- -> Harmful actions.
- -) Patents
- -) copyrights.
 -) Thade Secrets

-) liability -) pinacy -) Access losts -) Data Gathering