

Syllabus
Post Graduate Diploma in Cyber Law and I. T.

Paper I : Fundamentals of Computer Science and Internet Security

1. Fundamentals of Computers
 - a) Early Computing Machines
 - b) Computer and its Assembly
 - c) Software
 - d) Computer Memory, type of memory and Speed
2. Basics of Networks and Internet
 - a) Computer Networks and its need
 - b) Network topology
 - c) Types of Network
 - d) History of Internet
 - e) Concept of Internet and www.
 - f) Working of internet
 - g) Protocols
 - h) Web Publications
 - i) Cyber Space
 - j) Organizations of Internet Management
 - k) Related Terms (Abbreviations).
3. Fundamentals of e- Commerce:
 - a) Basic of e-Commerce
 - b) Types of e-Commerce
 - c) Benefits.
4. Cyber Crimes and Cyber Terrorism
 - a) Cyber Crimes and the categories of crime
 - i) Cyber Frauds
 - ii) Cyber thefts
 - iii) Cyber stalking
5. Internet Security Concepts
 - a) Concept of Security
 - b) Firewalls and types
 - c) Security products
 - d) Biometrics
6. Cryptography
 - a) Introduction to Cryptography
 - b) Types of cryptography
 - c) Cryptography goals
 - d) Key and keypair
7. Digital Signature and Electronic Signatures
 - a) Technical issue of digital and electronic signatures.
 - b) Recognition and authentication of digital and electronic signatures
 - c) Benefits.
8. PKI Infrastructure:
 - a) PKI Components
 - b) PKI Application
 - c) Certification.
9. Electronic Payment system and Taxation.

PAPER II : INFORMATION TECHNOLOGY LAW

1. Salient features of IT Act – 2000
 - a) Definition