

16-31 March 2020 - Information Security and Cyber Laws (GE4)

Study Plan - Theory

Cyber laws and related cases to be covered as per IT Act 2008 from Book By Sushila Madan.

Definitions, Digital Signature And Electronic Signature

- [Section 43] Penalty and Compensation for damage to computer, computer system, etc.
- [Section 65] Tampering with Computer Source Documents
- [Section 66 A] Punishment for sending offensive messages through communication service, etc.
- [Section 66 B] Punishments for dishonestly receiving stolen computer resource or communication device
- [Section 66C] Punishment for identity theft
- [Section 66D] Punishment for cheating by personation by using computer resource
- [Section 66E] Punishment for violation of privacy
- [Section 66F] Punishment for cyber terrorism
- [Section 67] Punishment for publishing or transmitting obscene material in electronic form
- [Section 67A] Punishment for publishing or transmitting of material containing sexually explicit act, etc. in electronic form[Section 67B] Punishment for publishing or transmitting of material depicting children in sexually explicit act, etc. in electronic form
- [Section 72] Breach of confidentiality and privacy

Attached Document will be helpful for reading.

Study Plan - Lab

As per the given task to each group, demonstrate the working of tools through snapshots in a power point presentation on following topics

- Password Cracking Tools
- Document Protection
- Network Tools
- Analyze remote Machine (nmap/zenmap) and Burp Proxy
- Cyber Attack Patterns from CERT
- Digital Watermarking
- Steganography
- Image Encryption and Decryption