(c) Write a short note on password security in Windows 2000. 2

6. (a) What is Cyber Crime ? Explain any *four* techniques to commit cyber crimes. 5

(b) Explain the punishment for Cyber Terrorism under the ITAA 2008. 3

(c) Write a short note on Digital Signature. 2

7. (a) What do you understand by the term malicious hackers ? Explain any *three* broadly classified Hackers. 5

(b) List any *five* guidelines of password selection. 5

15/05/18 (Evening)

This question paper contains **4** printed pages]

Roll No.

(Write your Roll No. on the top immediately on receipt of this question paper.)

Question number **1** is compulsory from Section A.

Attempt any *four* questions from Section B.

Section A

1. (a) What is Spoofing ? 2

(b) What is TCP Session Hijacking ? 3

(c) What are the *three* goals of data security ? 3

(d) Give any *four* malicious codes and explain each briefly. 4

(e)   List any *three* password cracker tools.   3

(f)   Explain briefly cyber forensic.   2

(g)   What is the punishment for dishonestly receiving stolen computer resource or communication device under ITAA 2008 ?

(h)   What is Identity Theft ? What is the punishment for same under the ITAA 2008 ?   3

(i)   Explain briefly Caesar Cipher with a suitable example using key = 3.   3

(j)   Differentiate between the following (any *three*) :   3×3

   (i)   Active and Passive Attack

   (ii)   Secret Key and Public Key

   (iii)   Fault and Failure

   (iv)   Law and Ethics

   (v)   Virus and Trojan Horse.

Section B

2.   (a)   Define threat with respect to computing system. Explain different kinds of threats.   5

(b)   Explain CIA triad and its relevance to computer security.   5

3.   (a)   What is cryptanalysis ? Explain any *three* different things that a cryptanalyst can attempt to attack the system.   4

(b)   Explain transposition cipher with suitable example.   3

(c)   What is Hacking ? What is the punishment for same under the ITAA 2008 ?   3

4.   (a)   What is risk analysis ? List the basic steps of risk analysis.   5

(b)   What is a security policy ? Explain any *three* characteristics of a good security policy.   5

5.   (a)   What are firewalls ? Explain any *four* features of a firewall.   5

(b)   What do you understand by authentication ? Mention any *two* ways in by which human user can be identified and computer can be authenticated.   3