

INFORMATION SECURITY & IT LAWS**Time : 2:30 Hours]****[Maximum Marks : 50****NOTES:**

- i) Attempt **all** questions.
- ii) Students are advised to specially check the Numerical Data of question paper in both versions. If there is any difference in Hindi Translation of any question, the students should answer the question according to the English version.
- iii) Use of Pager and Mobile Phone by the students is not allowed.

Q1) Answer any two of the following.**[2 × 5 = 10]**

- a) Explain model for network security.
- b) Explain any two access control biometrics.
 - i) Finger prints.
 - ii) Voice Patterns.
 - iii) Signatures.
- c) Explain any two role of security.
 - i) Password selection.
 - ii) Security awareness.
 - iii) Piggybacking

Q2) Answer any two of the following :**[2 × 5 = 10]**

- a) What is cryptanalysis? Explain.
- b) What is transposition technique? Explain any one of transposition techniques.
- c) What is DES (Data Encryption Standard) algorithm? Explain.

Q3) Answer any two of the following :**[2 × 5 = 10]**

- a) What is firewall? Also explain its design and limitations.
- b) What is IPSec? Also give its applications.
- c) What is virtual private network? Explain.

Q4) Answer any two of the following :**[2 × 5 = 10]**

- a) What is IDS? Also explain working of Host-based IDS.
- b) Discuss various password selection strategies.
- c) What is secure electronic transaction? Explain.

Q5) Answer any two of the following.**[2 × 5 = 10]**

- a) What is intellectual property law? Also discuss copy right law and patent law briefly.
- b) Differentiate between active and passive attacks with examples.
- c) Differentiate between backdoors and trap doors.