

Roll No.

Total No. of Pages : 02

Total No. of Questions : 07

B.Sc(IT) (2015 & Onwards) (Sem. – 5)

INFORMATION SECURITY

M Code: 74375

Subject Code: BSIT-501

Paper ID: [74375]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES:

1. **SECTION-A** is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **SIX** questions carrying **TEN** marks each and students have to attempt any **FOUR** questions.

SECTION A

1. Answer in brief:
 - a) What are principles of Information Security?
 - b) Discuss malicious software's.
 - c) Briefly explain S/MIME in security.
 - d) Define Web Authentication.
 - e) Write a short note on Security Management and Laws.
 - f) Give the meaning of IPR.
 - g) Explain role of Business Ethics.
 - h) What is Security Assurance.
 - i) Write the significance of Key in cryptography algorithm.
 - j) Define Digital Signatures.

SECTION B

2. Discuss security system development life cycle in information security.
3. Define computer Virus. What is the effect of Virus on the computer System?
4. Give the overview of Firewalls. Write its design principles and types.
5. What are Intrusion detection systems and intrusion prevention systems?
6. Explain the role of International Security standards and security laws related to Information Security.
7. Write the steps and measures to secure the information during data transfer with the help of cryptography.