

**M. TECH.-IV (INFORMATION TECHNOLOGY) (CBCS – 2015
COURSE) : SUMMER - 2018**
SUBJECT : SELF STUDY PAPER – II: INFORMATION SECURITY SYSTEM

Day : **Tuesday**
Date : **19/06/2018**

S-2018-3113

Time : **11.00 AM TO 02.00 PM**
Max. Marks : 60

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SEPARATE** answer books.

SECTION – I

Q.1 Explain how Online Industry in India is affected by viruses and worms. **[10]**

OR

Differentiate between Virus, Trojan Horse and Trap Doors.

Q.2 Why access control mechanism is required in large organizations. How is it implemented? **[10]**

OR

On the Internet, how security standards are really followed or not followed. Discuss with examples.

Q.3 Discuss how Digital Signatures are used in Government schemes like Aadhar Card. **[10]**

OR

How are trust-worthy authentication servers designed and implemented.

SECTION – II

Q.4 Can Email communication be used as evidence in the Court of Law? **[10]**

OR

Explain the Kerberos system in detail.

Q.5 How encapsulation of Payload data plays a major role in data security. **[10]**

OR

How is Key Management done in Key Based Security Systems?

Q.6 Where and how is TLS (Transport Layer Security) used? **[10]**

OR

Explain the significance of SET (Secure Electronic Transactions).

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