

B.TECH SEM – VII (2007 COURSE) (COMPUTER ENGG.) :

WINTER - 2017

SUBJECT: NETWORK SECURITY

Day **Friday**
Date **19/01/2018**

W-2017-2565

Time **02.30 PM TO 05.30 PM**
Max. Marks : **80**

N.B.

- 1) Attempt any **THREE** questions from each Section including Q.1 and Q.5 which are **COMPULSORY**.
- 2) Answers to both the sections should be written in **SEPARATE** answer book.
- 3) Figures to the right indicate **FULL** marks.
- 4) Assume suitable data if necessary.
- 5) Draw neat and labeled diagrams wherever necessary.

SECTION – I

- Q.1**
- a) Explain the concept of authentication and authorization. **(05)**
 - b) Explain RSA algorithm with example. **(05)**
 - c) What is key Escrow : Clipper chip? **(04)**
- Q.2**
- a) What are different types of attacks. explain in detail. **(07)**
 - b) Write short note on Biometric devices. **(06)**
- Q.3**
- a) Explain various substitution techniques. **(07)**
 - b) Explain RC4/RC5 algorithm? **(06)**
- Q.4**
- a) Explain PKIX model in detail. **(07)**
 - b) Write short note on DNS certificates. **(06)**

SECTION – II

- Q.5**
- a) What is Secure Socket Layer? **(05)**
 - b) Explain IP security. **(05)**
 - c) Explain various intrusion detection tools. **(04)**
- Q.6**
- a) What is Email security? Explain in detail. **(07)**
 - b) Explain 3-D secure protocol. **(06)**
- Q.7**
- a) Explain point to point tunneling protocol. **(07)**
 - b) Explain IKE (Inter Key Exchange) protocol. **(06)**
- Q.8**
- a) What is DMZ? Explain working of DMZ. **(07)**
 - b) Explain VPN architecture in detail. **(06)**

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