

Subject Code: H4002/R13

M. Tech –II Semester Regular Examinations, September, 2014

INFORMATION SECURITY

(Common to IT, CS, CS&T and CS&E)

Time: 3 Hours

Max Marks: 60

Answer any FIVE questions

All questions carry EQUAL marks

1. a) Explain various security attacks and Security Mechanisms in detail
b) Explain ARP attacks and SQL injection in detail
2. Briefly explain different conventional algorithms
3. a) Explain ECC algorithms
b) What is digital signature? Explain how the public key algorithms' used for obtaining digital signature
4. a) Explain ESP in detail
b) Explain SMTP in detail
5. a) Explain web security requirements?
b) Explain SSL header
c) Explain differences between SSL and TSL
6. a) Describe SNMP
b) What is a virus? Explain different viruses
7. Explain the following
 - a) Cipher modes of operations
 - b) Intrusion detection approaches
8. Explain the following
 - a) Route table modification
 - b) Firewalls
 - c) Reference monitor

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