

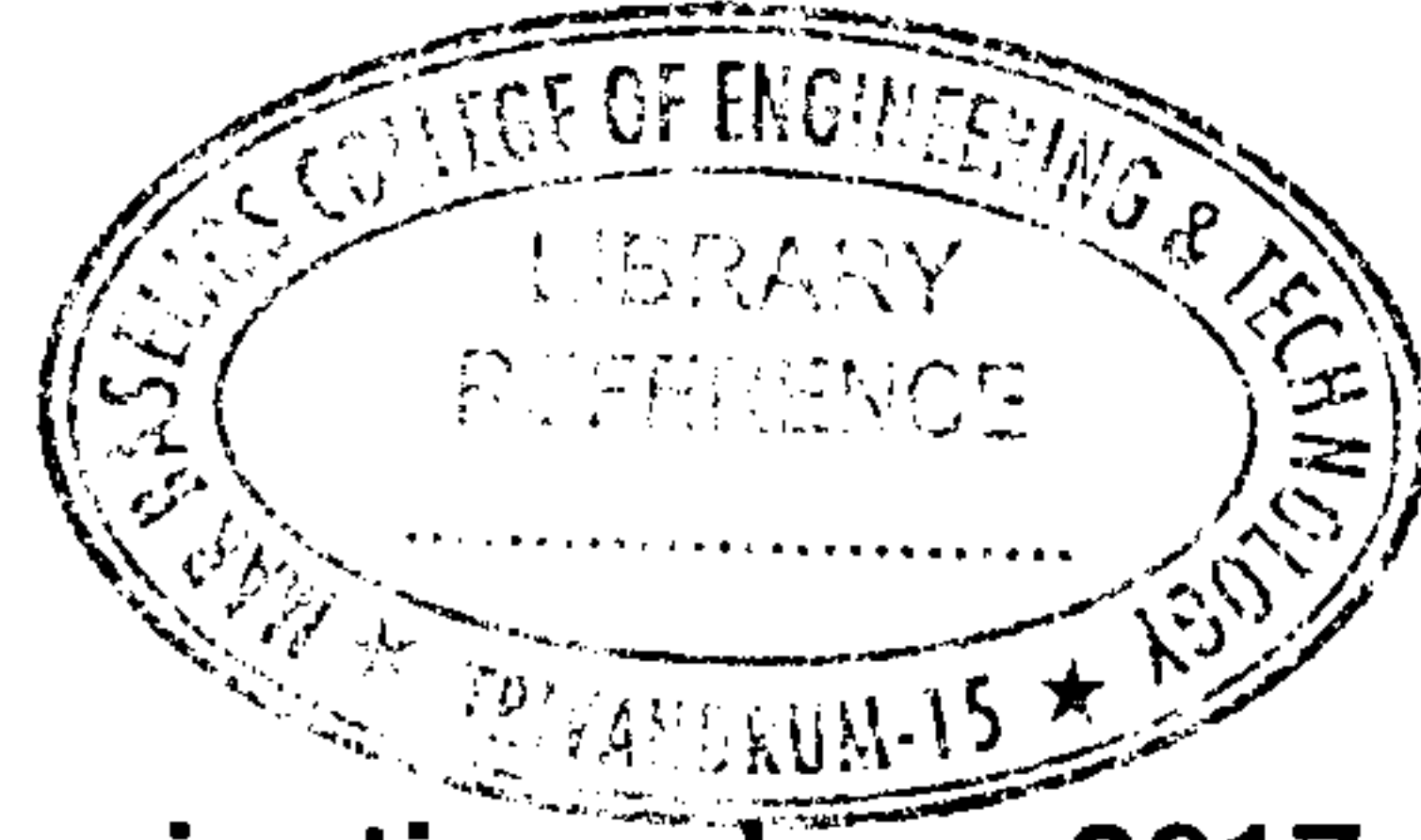


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Reg. No. :

Name :



**First Semester M.Tech. Degree Examination, June 2017
(2014 Admission)**

**Branch : Computer Science Engineering
RIC 1001 : FOUNDATIONS OF INFORMATION SECURITY**

Time : 3 Hours

Max. Marks : 60

Instruction : Answer any two full questions from each Module.

MODULE – 1

1. a) Discuss in detail about different phishing attacks. 5
- b) Explain the difference between a virus and a worm. 5
2. a) Explain Diffie Hellman Key exchange protocol. 5
- b) What are Digital Certificates ? 5
3. a) Discuss SHA1 Algorithm. 5
- b) Explain Discrete Log Problem. 5

(2×10=20 Marks)

MODULE – 2

4. a) Discuss Needham Schroeder protocol for authentication. 6
- b) What are Dictionary attacks ? 4
5. a) What are firewalls ? Discuss the different types of firewalls. 5
- b) What are the characteristics of a good biometric system ? 5
6. a) Compare and contrast transport and tunnel mode of operation. 5
- b) Explain SSL Record Layer Protocol. 5

(2×10=20 Marks)

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MODULE – 3

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| 7. a) Discuss about any two steganography techniques. | 5 |
| b) What do you mean by digital watermarking ? | 5 |
| 8. a) Write short notes on : Copyright law and patent law. | 5 |
| b) Explain Secure Electronic Transactions. | 5 |
| 9. a) Discuss the different security issues associated with RFIDs. | 5 |
| b) Discuss SOAP protocol. | 5 |

(2x10=20 Marks)
