



M.Tech II Semester Supplementary Examinations August/September 2018

CRYPTOGRAPHY & NETWORK SECURITY

(Computer Networks)

(For students admitted in 2013, 2014, 2015 & 2016 only)

Time: 3 hours

Max. Marks: 60

Answer any FIVE questions
All questions carry equal marks

- 1 Describe the concepts of steganography and asymmetric key cryptography.
- 2 Discuss the usage of AES for encryption and decryption with an example.
- 3 Explain RSA algorithm in detail with an example.
- 4 Describe HMAC algorithm in detail.
- 5 Explain public key cryptography standard (PKCS) in detail.
- 6 Explain the Kerberos protocols functioning in client server communication.
- 7 Explain the architecture of IP security in detail.
- 8 Define viruses and related threats. Explain in detail.
