



Code: 9D06106a

M.Tech II Semester Supplementary Examinations August/September 2018

NETWORK SECURITY & CRYPTOGRAPHY

(Electronics & Communication Engineering)

(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 (a) Explain a model for internet work security.
(b) Explain various substitution techniques.
- 2 (a) Explain the strength of DES in detail.
(b) Explain in detail about RC5 algorithm.
- 3 (a) Explain the key distribution for connection oriented protocol.
(b) Explain RSA algorithm with a suitable example.
- 4 (a) Explain Chinese remainder theorem in detail.
(b) Explain the function of MAC in detail.
- 5 (a) Explain in detail about the RIPEMD-160 algorithm.
(b) Explain Elgamal digital signature scheme in detail.
- 6 (a) What are all various authenticate services and explain in detail?
(b) Explain the functions of S/MIME in detail.
- 7 (a) Explain key management of IPsec briefly.
(b) Explain the participants of SET in detail.
- 8 Explain the nature of viruses and various classifications of viruses by target and also explain the countermeasures can be taken.
