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
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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.

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