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R-11/R-13

Code : 1G162

III B.Tech. II Semester Supplementary Examinations Nov/Dec 2018

Cryptography and Network Security

(Computer Science & Engineering)

Max. Marks: 70

Time: 03 Hours

Answer any five questions

All Questions carry equal marks (14 Marks each)

1. a) What are the security attacks are available? Explain those. 7M
b) Describe the security services that are available. 7M
2. a) Summarize the symmetric encryption principles which are available. 7M
b) Write in brief about feistel structure with the help of a diagram. 7M
3. Describe about RSA algorithm with the help of p & q. where p & q are two numbers. 14M
4. a) Generate the S/MIME certificate processing 7M
b) What are the MIME content types are available? List those 7M
5. What are the types of Key Management approaches supported by IPSec? Discuss those in detail 14M
6. a) Write short note on Handshake protocol 7M
b) Explain the TCP/IP protocol stack with the help of diagrams 7M
7. a) Describe the proxy configuration in SNMP? 7M
b) Draw the SNMPv3 message format with USM 7M
8. What is a firewall? Define the principles and characteristics of a firewall 14M
