Code No: 09A60503

R09

Time: 3 hours   Max. Marks: 75

Answer any five questions
All questions carry equal marks

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1.a)   Explain the various security services.
  b)   Explain the Internet standards and RFCs.   [15]

2.a)   What are block Cipher modes and what is their significance?
  b)   What are the issues in locating the encryption devices? Explain.
  c)   Explain the characteristics of a good hash function.   [15]

3.a)   Write RSA algorithm an perform encryption and decryption using RSA when
       $p = 13$, $q = 11$, $e = 7$ and $m = 5$.
  b)   Explain X.509 Directory Authentication Service.   [15]

4.   What are the services provided by PGP? Explain in detail about each of them.
                                                                         [15]

5.a)   Describe the architecture of IP security.
  b)   Explain the purpose of combining security associations in IP security and how is
       it performed.   [15]

6.a)   Explain the requirements of web security.
  b)   Explain about the security in socket layer.   [15]

7.   Explain the various viruses and related threats.   [15]

8.   Explain the Intrusion Detection Systems.   [15]

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