Code No: 07A60503   **R07**   **Set No. 2**

III B.Tech II Semester Regular/Supplementary Examinations,May 2010
Information Security
Computer Science And Engineering
Time: 3 hours   Max Marks: 80
Answer any FIVE Questions
All Questions carry equal marks
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1. (a) What is the difference between an SSL connection and an SSL session? List and briefly explain the parameters that define an SSL session state?

    (b) Explain the various web security threats?   [8+8]

2. (a) What is the structure of a virus?

    (b) Discuss the two techniques for developing an effective and efficient proactive password checker?   [8+8]

3. (a) Discuss the purpose of SA selectors?

    (b) Enumerate on the five default ISAKMP exchange types?   [8+8]

4. (a) Explain the X.509 authentication procedures?

    (b) Describe the approaches of key distribution in public key cryptosystems? [8+8]

5. (a) Explain the intrusion detection tool audit records?

    (b) What are the services provided by Firewalls?   [8+8]

6. (a) What is man-in-the-middle attack? Explain with an example?

    (b) List and explain the different internet standards related to information security?   [8+8]

7. Write short notes on:

    (a) Location of encryption devices

    (b) Fiestel cipher structure.   [16]

8. (a) Compare and contrast the nature of certificates in PGP and S/MIME.

    (b) Explain the web of trust made from certificates in PGP and in S/MIME?   [8+8]

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