F 3704

B.TECH. DEGREE EXAMINATION, NOVEMBER 2010

Eighth Semester

Branch : Computer Science and Engineering/Information Technology

SECURITY IN COMPUTING (R,T)

(Supplementary)

Maximum : 100 Marks

.me : Three Hours

Answer all the questions.

Part A

Each question carries 4 marks.

1. What is Hackers ?
2. What is Trojan Horse ?
3. Mention the different protection mechanisms of OS.
4. What are all the different types of holes ?
5. What is Cryptography ?
6. Mention the important features of modern symmetric key algorithms.
7. What is secure socket layer ?
8. What is Firewalls ?
9. What do you mean by data security ?
10. Explain the security requirements in database.

(10 × 4 = 40 marks)

Part B

Answer all, each carries 12 marks.

11. (a) Explain the different aspects of network security.

Or

(b) Discuss in detail about security services and mechanisms.

12. (a) Discuss in detail about discretionary and Mandatory Access Control.

Or

(b) Discuss in detail about access control and remote execution in UNIX.

13. (a) Discuss in detail about Fiestal network and DES algorithm.

Or

(b) Write a technical note on Digital Signature.

14. (a) With neat diagram, explain about IP security architecture.

Or

(b) Discuss in detail about Secure Electronic Transaction.

15. (a) Discuss in detail about MAC for multilevel security.

Or

(b) Explain about the security issues in data security and also explain about statistical database security.

(5 × 12 = 60 marks)