F 9005   (Pages : 2)   Reg. No.................................

Name.................................

B.TECH. DEGREE EXAMINATION, NOVEMBER 2011

Eighth Semester

Branch : Computer Science and Engineering/Information Technology

SECURITY IN COMPUTING (RT)

(Supplementary)

Time : Three Hours   Maximum : 100 Marks

Answer all questions.

Part A

Each question carries 4 marks.

1. Describe the different types of attacks.

2. Explain the Trojan Horse effect.

3. Differentiate Authentication and Authorization.

4. Write short notes on security breaches.

5. Write advantages and disadvantages of symmetric encryption method.

6. What do you mean by digital signatures ?

7. What do you mean by SSL ?

8. Define Firewalls.

9. Define the term database security.

10. What are the issues related to database security ?

(10 × 4 = 40 marks)

Part B

11. With relevant figure explain network security. Explain the different aspects of network security.

Or

12. Differentiate worms and viruses.

13. Write note on access control matrix and capacity list.

Or

14. Define hole. What are its different types ?

15. With neat figure explain the DEs algorithm.

Or   .. statistical database

16. With an example explain the RSA algorithm.

(5 × 12 = 60 marks)

17. Explain the functioning of Keebeeos server with relevant figures.

Or

18. Explain the PGP.

19. How multi-level security is achieved using MAC ? Explain the various steps associated with it.

Or

20. Explain the SQL security on granting and revoking privileges based on DAC.

$(5 \times 12 = 60 \text{ marks})$