

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI – 600 086
(For candidates admitted during the academic year 2009-10)

SUBJECT CODE : CS/PE/SI23

M. Sc. DEGREE EXAMINATION, APRIL 2010
INFORMATION TECHNOLOGY
SECOND SEMESTER

COURSE : ELECTIVE
PAPER : SECURITY ISSUES IN INFORMATION TECHNOLOGY
TIME : 3 HOURS **MAX. MARKS : 100**

SECTION – A

ANSWER ALL THE QUESTIONS. (10 X 2 = 20 MARKS)

1. Define DoS.
2. What is the use of ID as a security measure?
3. What is defacement?
4. What do you understand by 'Click Fraud'?
5. What is a containment?
6. Define a heap based overflow.
7. Define a cookie.
8. What causes Attack Scenario?
9. What are the uses of bind variables?
10. What are one time passwords?

SECTION – B

ANSWER ANY SIX OF THE FOLLOWING QUESTIONS. (6 X 5 = 30 MARKS)

11. Explain the features of a firewall.
12. Brief the various Access Control Tools.
13. What are the threats regarding Data Loss?
14. State the principle of Least Privilege.
15. Differentiate between black and white listing.
16. What is the role of Java Scripts in the Client-State manipulation?
17. Explain Strawman proposal.
18. What is Image Authentication?

SECTION – C

ANSWER ANY FIVE OF THE FOLLOWING QUESTIONS. (5 X 10 = 50 MARKS)

19. Discuss the need for security procedures in the IT field.
20. Describe how threats are identified and controlled in the System Design.
21. With examples, explain the validation of inputs and handling of internal errors.
22. Explain in detail, the secure programming techniques.
23. With illustrative examples describe the effects of attack scenario using HTTP
24. Describe the security measures in software requirements with relevant methodologies.
25. What are the procedures involved in password security? How are weak and vulnerable passwords identified and handled? Explain.

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