

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086
(For candidates admitted during the academic year 2007-08)

SUBJECT CODE: CS/PC/SI34

M.Sc. DEGREE EXAMINATION, NOVEMBER 2008
INFORMATION TECHNOLOGY
THIRD SEMESTER

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

SECTION – A

(10X2=20)

ANSWER ALL THE FOLLOWING QUESTIONS:

1. What is a polymorphic threat?
2. Define Spoofing.
3. What is transference?
4. Mention the types of security policies.
5. What is RADIUS?
6. What are Honey pots?
7. What is encryption?
8. What is a hash function? What for it can be used?
9. Define projectitis.
10. What is difference analysis?

SECTION – B

(6X5=30)

ANSWER ANY SIX OF THE FOLLOWING QUESTIONS:

11. Discuss briefly about the components of Information System.
12. Write a brief note on the following:
a) Virus b) Worms c) Trojan Horses
13. What is risk management? Write a brief note on the components of risk management.
14. Define VPN. List the methods used to implement a VPN and explain about any one method.
15. What is network based IDS? List its advantages and disadvantages.
16. Discuss briefly about securing Internet communication with S-HTTP and SSL.
17. Describe briefly about the need for project management.
18. What is fault management? Explain the steps involved in it.

SECTION – C

(5X10=50)

ANSWER ANY FIVE OF THE FOLLOWING QUESTIONS:

19. What is an attack? Describe in detail about any 8 major types of attack.
20. Discuss in detail the various Risk control strategies.
21. Write in detail about the design of security architecture.
22. What is a firewall? How firewalls are categorized by processing mode?
Explain any two.
23. Describe in detail about the various cryptography tools.
24. Explain in detail about the different categories of cryptographic algorithms.
25. Give a detailed note on the technical aspects of project implementation.
