

B.E. Computer Science & Engineering Eighth Semester
CSE 803 - Computer System Security

P. Pages : 1

Time : Three Hours



GUG/W/18/1998

Max. Marks : 80

- Notes :
1. All questions are compulsory.
 2. All questions carry equal marks.
 3. Due credit will be given to neatness and adequate dimensions.
 4. Assume suitable data wherever necessary.

1. a) What is session hijacking? Explain TCP session hijacking in detail. 8
b) What is format string vulnerabilities? Explain. 8

OR

2. a) What is RFC's? Explain in detail. 8
b) Write note on 8
i) Man-in-the middle attack ii) Buffer overflow.

3. a) Explain in detail DES algorithm. 8
b) Write note on. 8
i) Secure Hash function ii) HMAC

OR

4. What is an AES Algorithm? Explain with diagram. 16
5. a) Discuss digital signatures in detail. 8
b) Explain public key cryptography algorithm. 8

OR

6. Write note on 16
i) Kerberos ii) X.509 Directory.
7. a) Discuss IPsec in detail. 8
b) What are web security requirement? Explain. 8

OR

8. Write note on 16
i) SET ii) PGP
9. a) Discuss Intrusion Detection Systems. 8
b) Write note on viruses. 8

OR

10. a) What is trusted system? Explain. 8
b) Discuss firewall design principles. 8
