SIS QUESTIONS

Q1 (a) Define the terms: Cryptosystems, Plain Text and Cipher
   (b) What is an Encryption algorithm? Explain
Q2 (a) what is Complexity? Explain NP-complete problems in details.
(b) What are the characteristics of NP Complete?

Q3. What are the properties of arithmetic operations and Inverse?

Q4. Explain Fermat's theorem in details.

Q5. What is Digital Signature? Explain its characteristics in detail.

Q6. What is Hash Concept? Describe hash algorithms in details.

Q7. What are Program Security and Network Security? Explain

Q8. Write short notes:
   (i)   MD5
   (ii)   Digital Signature
   (iii)   RSA
   (iv)   DSS