Q1) a- Define the following:
   1-Windows, 2- data security, 3- hacking, 4- authentication.
   b- Decipher the following cipher text=REEEQODAINTI I, when you know
      that two encryption methods are used, first one is simple transposition
      where the key=4376215 , and the second one is keyword method where the
      key=thank you. 

(12marks)

Q2) give short answer for the following questions:
   a- Why administrators often fail to impalement security features in operating
      systems.
   b- Why Microsoft office create "macro" viruses'.
   c- How can solve the direct intrusion problem.
   d- The requirements that must satisfy in cryptosystem.

(12 marks)

Q3) a- Define the hacking process and the types of hackers (in steps only).
   b- Decipher the following ciphertext which was enciphered used fixed period
      transposition method, key= 4132 , d=4,  ciphertext= odog orim ignn rqai

(12 marks)

Q4) a- write the five rules that used in playfair cipher encipherment process.
   b- Write algorithm that descript Hill ciphers encryption process.

(12 marks)

Q5) a Write algorithm for Beal ciphers encipherment process
   b-Decipher the following cipher text which was enciphered used keyword
      method, keyword=crypto graphics system, cipher text= ykxfndgkcfax.

(12 marks)

Q6) a- Define password authentication and explain authentication attacks.
   b- Explain the basic concepts for Public key encryption algorithm.

(12 marks)