

Practice for quiz 1 – Winter 2009 – March 6, 2009

1. Decrypt the following message given that it was encrypted with the Vigenere cipher system with a keyword : NEVER

vxhep oimsl tlgr fwzvk rh

2. The following message was encrypted using the Playfair cipher system with a keyword of SCRAMBLED EGGS AND TOAST. Find the corresponding English message.

az qk fi hi su rn ob kc fp ft dp bp hu fk

3. A message was sent using the homophonic cipher system. Say that you manage to learn that the fourth letter of this message is D. What is the key and the original Message?

66-45-100-73-17 25-100-36 75-10-45-66-8-96-51 13-78-77 55-92-54-4

88-12-35-42-36-76-17 53-57-50-13 25 46-84-14-88-48 72-19-59

4. The following is a Ceasar encryption. Decipher it.

esp xpd dlr ptd dpn cpe

5. Decipher the following message

mvgkvzgzgkvvqffisthbsp

knowing that it is Vigenere encrypted with a 2-letter key.

6. Decipher the following message

naser eweoe noepr dlyni vasn

knowing that it is a rectangular transposition with the word airplanes occurring in it.

7. Decipher the following message knowing that it is a Vigenere encryption with a 2-letter keyword

KDSEN ZCRDV BISSV VDYSE QKICY FCV

8. Decrypt the following message knowing that it is a Playfair encryption with keyword "SOUTH PACIFIC"

US OU LR QZ ZO IO CA CQ UK DM PY GD GN NX

9. Decipher the following message knowing that it is a message encrypted using rectangular transposition and the key "ROLLINGSTONES"

YAUD TTNAH AHCEI UTOIT CWUMM

NAASG AWSON OEYTS WUYI YGTEU

AYTNT SNMJY LORDF