15A E.6, E.7, E.10
15C E.6, E.12, E.14
15D E.6, E.9, E.14, E.15

We will collect 15A.E.6, 15C.E.14, 15D.E.6(i-ii), and the following problem:
Encrypt the message: YES
if my public key is (n,e)=(11639,65).

Here space=00, A=01, B=02, and so on. The length of your “words” should be 4.

Suppose that you intercept an encrypted message intended for me. It consists of one “word” of cyphertext, 10887. What was the message? (ie, can you crack the code?).

Use a computer if it helps (mathematica is good at finding remainders in long division ...).