

ECOO Round 1 QUESTIONS

After March 18, 2012

Problem 2 – Decoding DNA

FIRST TRY

Suggested Marking Scheme

Input file name: DATA21.txt

Award 20 marks for each exactly correct line.

Deduct 20 marks one time if the numbering is missing or incorrectly formatted.

Award 10 bonus marks if all 5 lines are exactly correct.

```
1: U
2: ACC
3: GA
4: UGAGU
5: GUUAGCUAG
```

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SECOND TRY

Suggested Marking Scheme

Input file name: DATA22.txt

Award 20 marks for each exactly correct line.

Deduct 20 marks one time if the numbering is missing or incorrectly formatted.

```
1: UUUGG
2: CCUGUUAAGGAAUCCUCGCUUUCGUGUAACC
3: UCUAUGAACACGUUUCUGUGC
4: AGUUACGUGUUGUAAUAGACCGAUAAGUCCCUAAAGCUAC
5: A
```