

Coding and Decoding

सङ्केतीकरणं

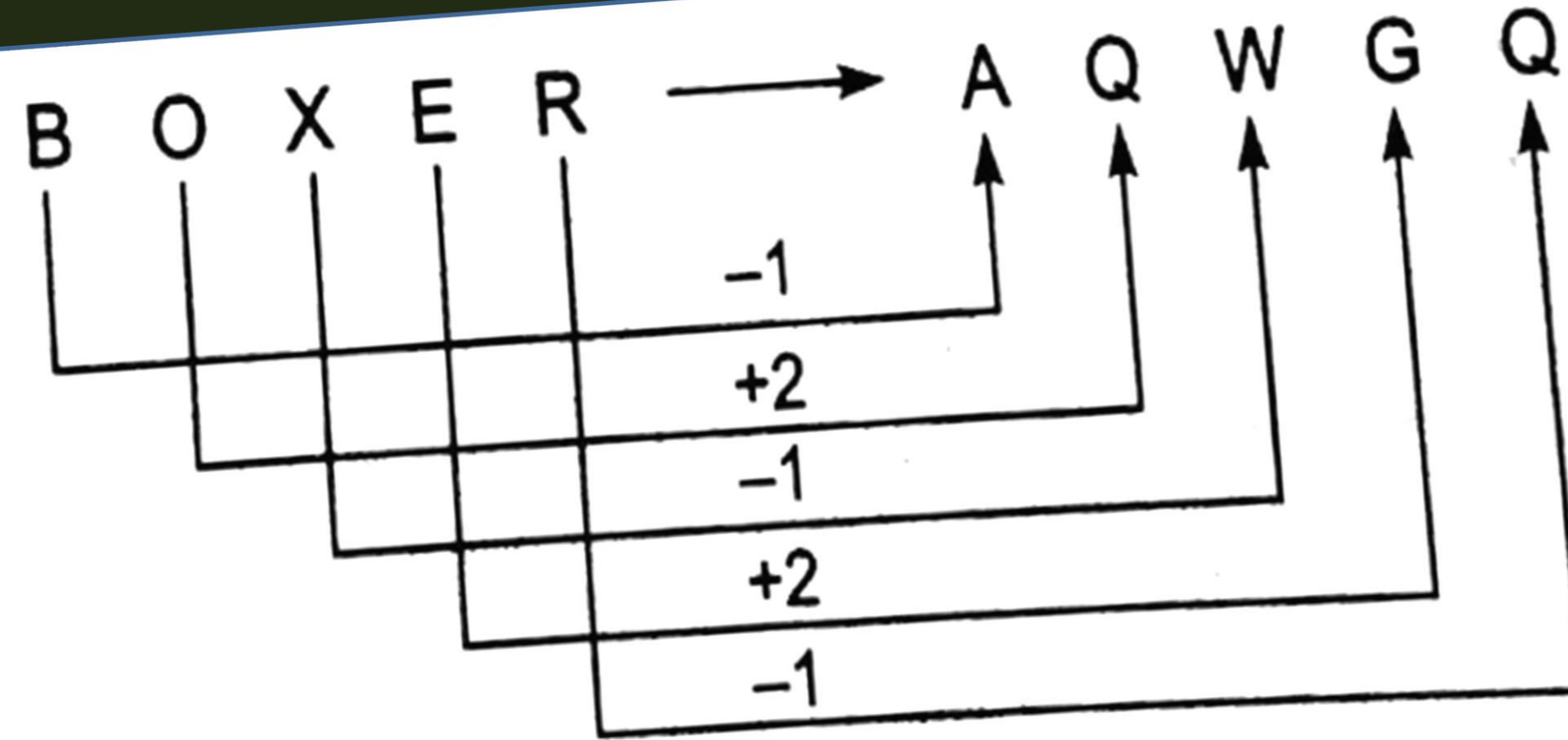
सङ्केतनिवारणं च

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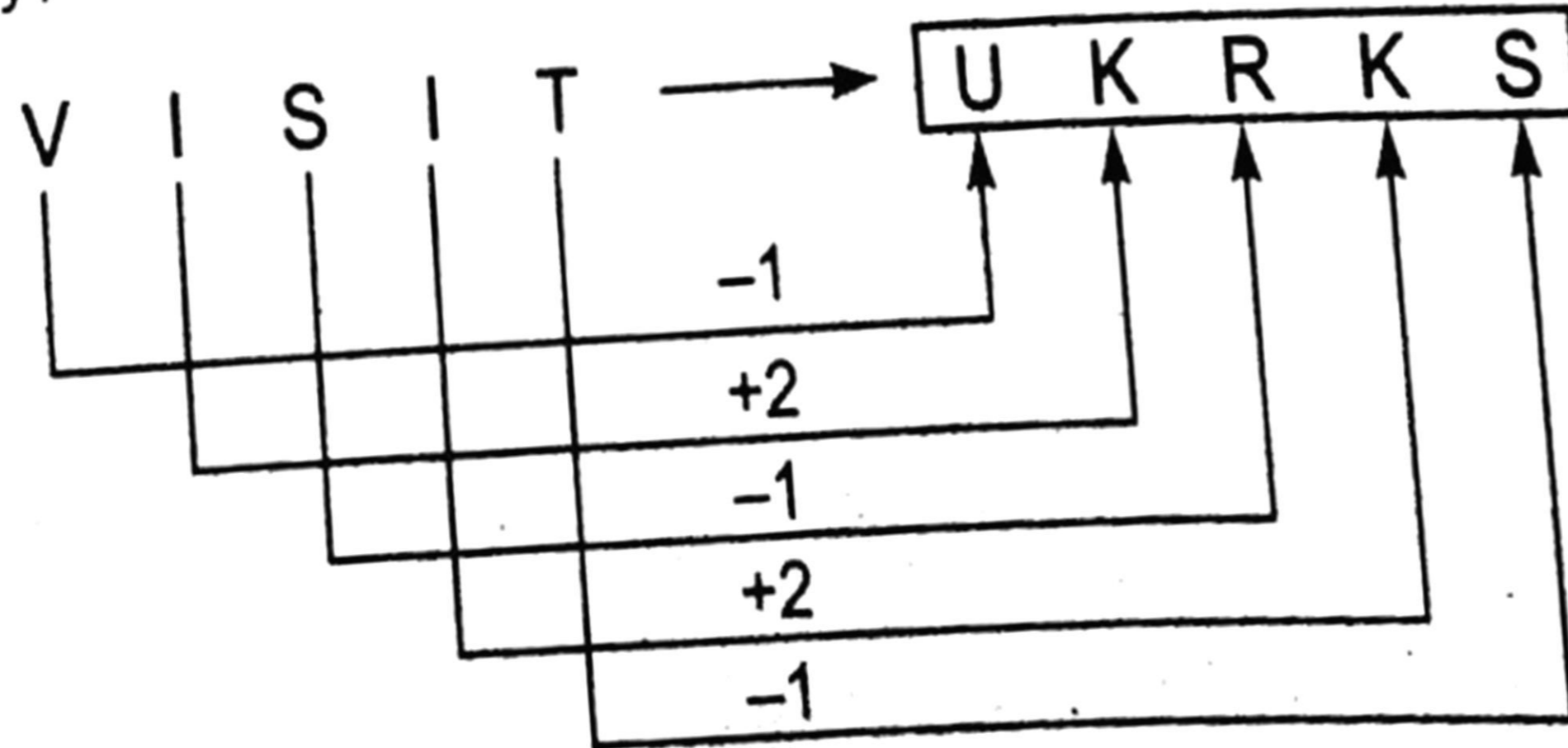
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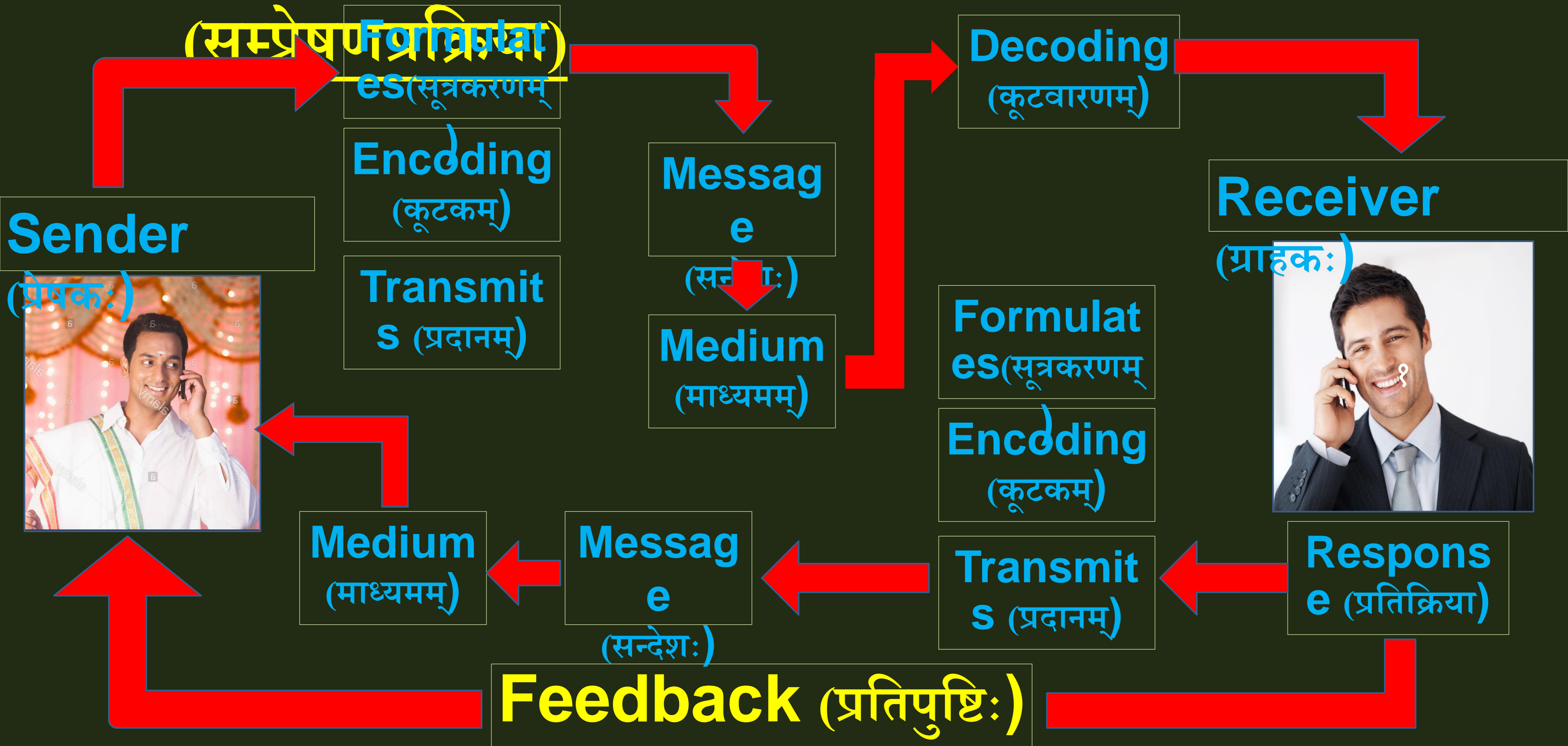
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Similarly,



Communication Process:



There are 6 different types of coding decoding

1 Letter Coding

2 Number Coding

3 Mixed Coding

4 Mixed Number Coding

5 Decoding

6 Symbols Coding

1 Letter Coding

In Letter Shifting Problems in Coding Decoding, we just need to find the relationship between one pair of words. It has three different types.

We will discuss them one by one

Type 1: E.g. If COURSE is coded as FRXUVH, how is RACE coded in that code?

C \longrightarrow +3 \longrightarrow F

O \longrightarrow +3 \longrightarrow R

U \longrightarrow +3 \longrightarrow X

RACE

R → +3 → U
A → +3 → D
C → +3 → F
E → +3 → H

Ans : UDFH

Type 2

The second type is instead of shifting each letter, letters are moved.

IF PEACE Is coded as ECAEP than how is REASONING is Coded in that code?



REASONING

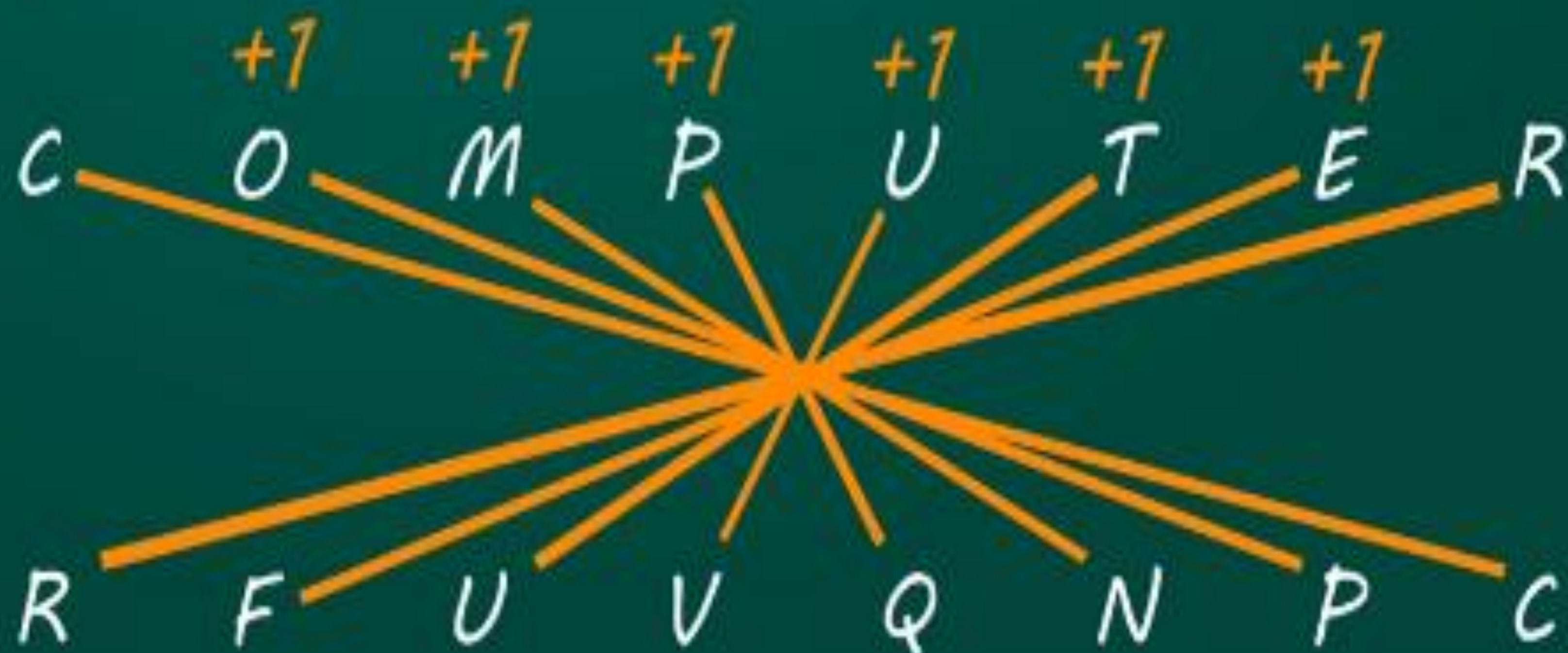


Ans : GNINOSAER

Type 3

In the third type letters are shifted in the alphabet as well as their positions in the word are moved.

If COMPUTER is written as RFUVQNPC. How is MEDICINE written in the same code?



TRY THIS

1. If in a certain language, *GAMBLE* is coded as *FBLCKF*,
how is *FLOWER* coded in that code ?
2. If in a certain language *KINDLE* is coded as *ELDNIK*,
how is *EXOTIC* coded in that code ?
3. If *JOSEPH* is coded as *FKOALD*, then *GEORGE* will be coded as?

2 Number Coding

In Number coding type of questions, either numerical code values are assigned to a word or alphabetical code letters are assigned to the numbers.

If in a certain language if ENTRY is coded as 12345 and STEADY is coded as 931785, How TENANT is coded as in that code?

E → 1
N → 2
T → 3
R → 4
y → 5

S → 9
T → 3
E → 1
A → 7
D → 8
y → 5

T → 3
E → 1
N → 2

A → 7
N → 2
T → 3

Ans : 312723

TRY THIS

1 If ROSE is coded as 6821, CHAIR is coded as 73456 and PREACH is coded as 961473, How SEARCH is coded in that code?

2 If MISTAKE is coded as 9765412 and NAKED is coded as 84123, How DISTANT is coded in that code?

3 Mixed Coding

In Mixed letter coding type of questions, three or four complete messages are given in the coded language and the code for a particular word is asked.

In a certain code, 'bi nie pie' means 'some good jokes' : 'nie bat lik' means 'some real stories' ; and 'pie lik tol' means 'many good stories'. Which word in that code means 'jokes' ?

bi nie pie → some good jokes

nie bat lik → some real stories

pie lik tol → many good stories

Jokes : bi



Mary Queen of Scots



Elizabeth the first



Anthony Babington

Handwritten text in a cursive script, possibly a list or account, with several lines of text.

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Anthracite

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धन्यवादः



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