

MENTAL MATHS AND REASONING



CODING-DECODING

MMRWS11

MATHS COPY 2

DATE:18/8/21

CODING-DECODING



CODE means **SECRET**
MESSAGE/INFORMATION

DECODE means to **IDENTIFY /FIND**
THE HIDDEN MESSAGE

CODING-DECODING



1) ALPHABETS AND NUMBERS

A	B	C	D	E	F	G	H	I	J
1	2	3	4	5	6	7	8	9	10
K	L	M	N	O	P	Q	R	S	T
11	12	13	14	15	16	17	18	19	20
U	V	W	X	Y	Z				
21	22	23	24	25	26				

REVERSE COUNTING OF ALPHABETS

1. Position number of letters in English alphabets.

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

2. Position number of letters in English alphabets in reverse order

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1

TYPES OF CODING



❧ NUMBER CODING

❧ ALPHABET CODING

1) In a certain code **ENJOY** is coded as **514101525**. How will you code **JUMP**?



EXPLANATION

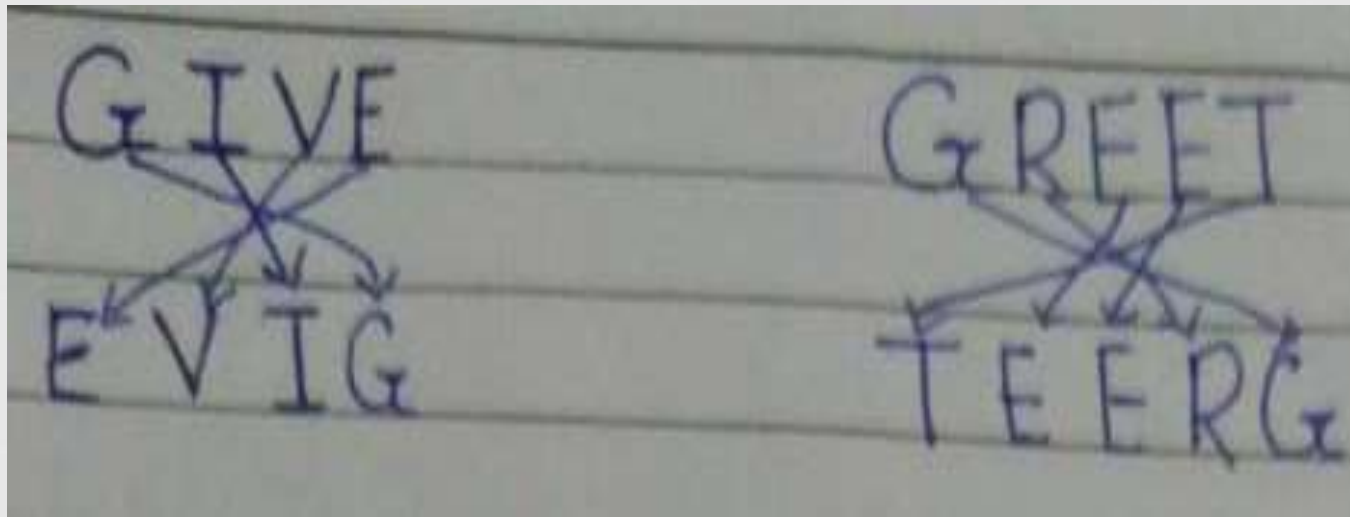
E-5	J-10
N-14	U-21
J-10	M-13
O-15	P-16
Y-25	

10211316 code of JUMP

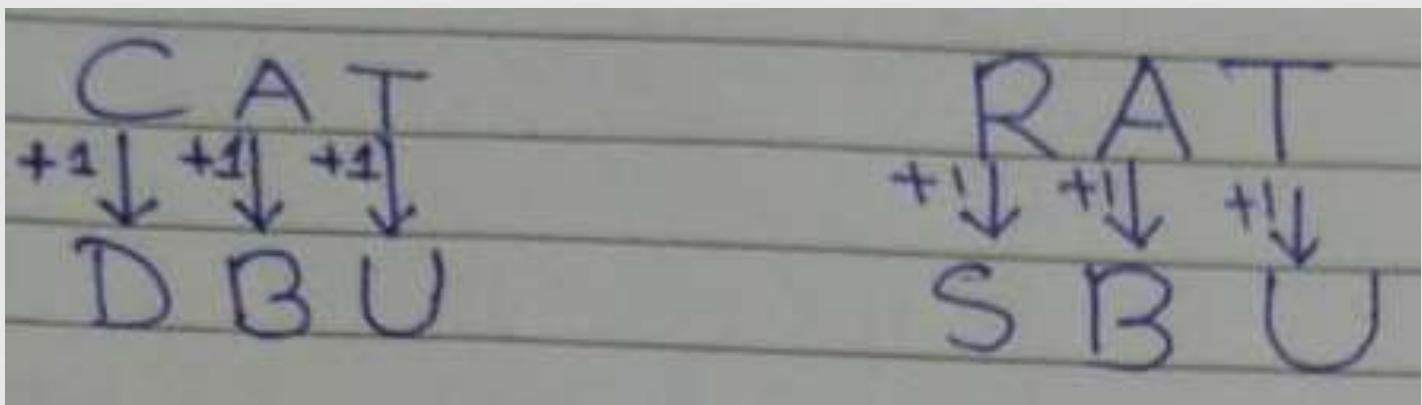
2) If **GIVE** is coded as **EVIG** . What will be the code of **GREET**?



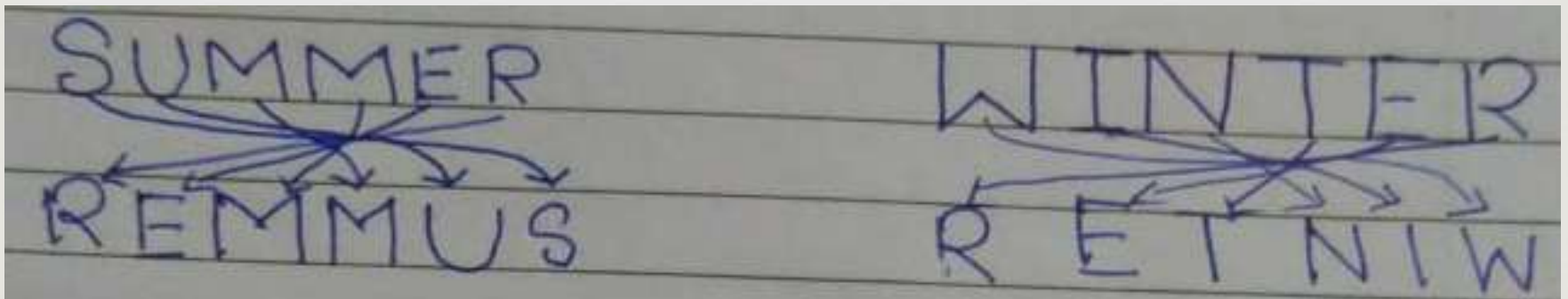
EXPLANATION



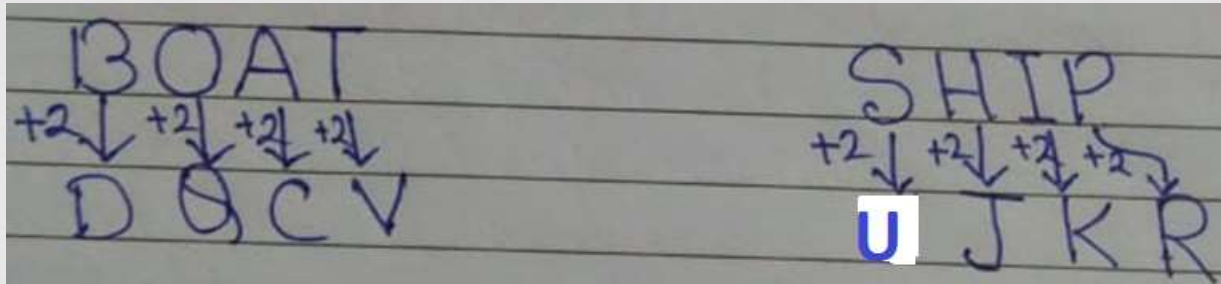
3) If CAT is coded as DBU. How will you code RAT?



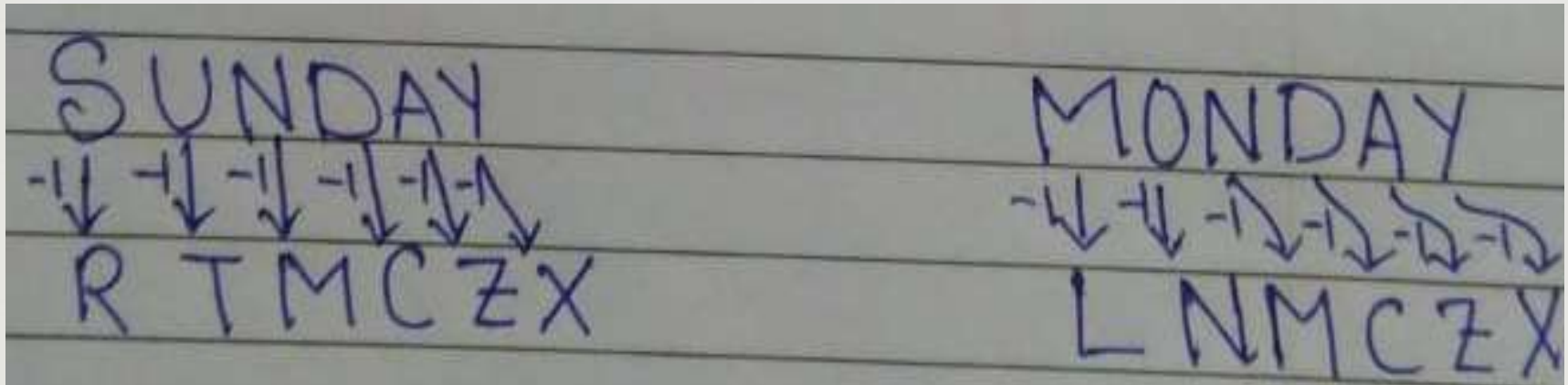
4) If **SUMMER** is coded as **REMMUS**. How will you code **WINTER**?



5) If in a code **BOAT** is coded as **DQCV**. How will you code **SHIP**?



6) If **SUNDAY** is coded as **RTMCZX**. How will you code **MONDAY**?



THANK YOU

