

Coding & Decoding

Coding is a process used to encrypt a word, a number in a particular code or pattern based on some set of rules.

Decoding is a process to decrypt the pattern into its original form from the given codes.

Alphabet Numerical Position

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			

Types

1. Letter Coding
2. Number Coding
3. Substitution
4. Mixed Letter Coding
5. Mixed Number Coding

Letter Coding Patterns

- ❖ Constant difference $\rightarrow +1, +1, +1, \dots$ or $-1, -1, -1, \dots$
- ❖ Increasing or decreasing difference $\rightarrow +1, +2, +3, \dots$ or $-1, -2, -3, \dots$
- ❖ Mixed difference $\rightarrow +1, -2, +3, -4, \dots$
- ❖ Square/Cube difference
- ❖ Alternate Positions
- ❖ Reversed
- ❖ Half it & Reversed
- ❖ Any other or miscellaneous pattern

Letter Coding

If **EARTH** is written as 'FCUXM' in a certain code. How is **MOON** written in that code?

a. LNNM

b. NQRR

c. NPPO

d. NOOM

option b

If TSEREVE and NOITACUDE stands for **EVEREST** and **EDUCATION**, how will you code **REDFORT**?

- a. RECFORT
- c. TRFODER

- b. TEDFNOR
- d. TROFDER

option d

In a certain code language, if the word **SECTOR** is coded as 'CESROT' then how will you code the word **OPPOSITION**?

- a. SOPPONOITI
- c. SOPOPNOITI

- b. NOITISOPPO
- d. SOPPONOTIT

option a

In a certain code language if the word **IMPRESSION** is coded as 'IPESOMRSIN', then how will you code the word **SIGNIFICANT**?

- a. SGIAITINFIN
- c. SGTIAIINFCN

- b. SGIIATINFCN
- d. SGAITINIFCN

option b

If **JAPAN** is coded KCSES, then the code for **CASTLE** will be

- a. DIJOB T
- c. DKMSG R

- b. DCKRDP
- d. DCVXQK

option d

If **BOUNDARY** is coded as OVPCXQZC, then how is **YOURSELF** coded?

a. SVZPEKDR

b. SSRQEKDS

c. SVPZEKDR

d. SZPVELDR

option c

Number Coding

If **CAT** is coded as 24, what will be the code number for **BAT**?

- a. 23
- c. 20

- b. 40
- d. None of the above

option a

In a certain code, **DEER** is written as 96. How is **SONG** written in that code?

a. 155

b. 165

c. 175

d. 185

option b

In a certain code language,
SOUND is 67039
BOARD is 85723
WORK is 1847,
then which of the following is a possible code for the word **DOOR**?

a.7338

b.3887

c.3778

d.7378

option c

If **STROKE** is 346152,
TRAIN is 78392,
KITE is 6285 and
TEST is 1226, then
What is the code for the word **SINK**?

- a. 1895 b. 1875 c. 1879 d. cannot be determined

option d

Substitution

‘**man**’ is coded as ‘**woman**’, ‘**woman**’ is coded as ‘**girl**’, ‘**girl**’ is coded as ‘**boy**’, ‘**boy**’ is coded as ‘**worker**’ then 6 years female is known as?

- a. Girl b. Worker c. Boy d. Man

option c

'Cloud' means **'White'**, **'White'** means **'Rain'**, **'Rain'** means **'Green'**,
'Green' means **'Air'**, **'Air'** means **'Blue'** and **'Blue'** means **'Water'** then
where will Birds fly?

a. Green

b. Blue

c. Air

d. Water

option b

Mixed Letter Coding

If 'nso ptr kli chn' stands for 'sharma gets marriage gift',
'ptr lnm wop chn' stands for 'wife gives marriage gift',
'tti wop nhi' stands for 'he gives nothing',
what would mean 'gives'?

a. chn

b. nhi

c. ptr

d. wop

option d

Mixed Number Coding

In a certain code,
‘786’ means ‘study very hard’,
‘958’ means ‘hard work pays’ and
‘645’ means ‘study and work’.
What is the code for **‘very’**?

Answer: 7



Thank You

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