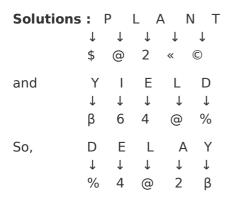# Reasoning

1. In a certain code 'PLANT' is written '$@2«©' and 'YIELD' is written as 'β64@%'. How is 'DELAY' written in the code ?

(1) β4«2%

(2) β4@2%

(3) %42@β

(4) %4@2β

(5) None of these

Ans : (4)

Solutions :
```
         P   L   A   N   T
         ↓   ↓   ↓   ↓   ↓
         $   @   2   «   ©
and      Y   I   E   L   D
         ↓   ↓   ↓   ↓   ↓
         β   6   4   @   %
So,      D   E   L   A   Y
         ↓   ↓   ↓   ↓   ↓
         %   4   @   2   β
```

2. How many meaningful English Words can be formed with the letters ARILT using each letter only once in that word ?

(1) None

(2) One

(3) Two

(4) Three

(5) More than three

Ans : (2)

Solutions : Meaningful word ? TRAIL.

3. D said, "A's father is the only brother of my sister's son. "How is A's father related to D ?

(1) Cousin

(2) Nephew

(3) Aunt

(4) Data inadequate

(5) None of these

Ans : (2)

Directions (Q.4-6) The following questions are based on the five three digit numbers given below.

394   632   783   576   895

4. If the positions of the first and the second digit within each number are interchanged, which of the following will be the second highest number ?

(1) 632

(2) 783

(3) 576

(4) 895

(5) 394

Ans : (5)

Solutions : Interchanging the first and second digits of each number,

934   362   873   756   985

Hence, the second highest number is 394.

5. If the first and second digits of each of the numbers are added the resulting sum of which of the following numbers will not be exactly divisible by 3 ?

(1) 895

(2) 394

(3) 576

(4) 632

(5) 783

Ans : (1)

Solutions : First and second digits of each of the numbers are added,

12 9 15 12 17

17 cannot divisible by 3. Hence, the number is 895.

6. If 2 is added to the last digit of each number and then the positions of first and the third digits are interchanged, which of the following will be the highest number ?

(1) 576

(2) 895

(3) 783

(4) 394

(5) 632

Ans : (1)

Solutions : If 2 is added to the last digit of each number then,

394 + 2 = 396,632 + 2 = 634,

783 + 2 = 785,576 + 2 = 578,895 + 2 = 897

Now interchange the position of first and third digit.

693, 436, 587, 875, 798

Hence, the highest number ? 576.

7. If 'A' is coded as 1, 'B' as 5 and so on, which of the following is the numerical value of the word 'FAZED' ?

(1) 81

(2) 79

(3) 77

(4) 80

(5) None of these

Ans : (2)

Solutions : Given code is

A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	3	5	7	9	11	13	15	17	19	21	23	25	27

O	P	Q	R	S	T	U	V	W	X	Y	Z
29	31	33	35	37	39	41	43	45	47	49	51

So F   A   Z   E   D = 11 + 1 + 51 + 9 + 7 = 79

8. Which of the following pairs of words have the same relationship as FAN : HEAT ?

(1) Water : Drink

(2) Light : Night

(3) Teach : Student

(4) Air : Breathe

(5) Food : Hunger

Ans : (5)

Solutions : As 'fan' is related to 'heat' similarly, 'food' is related to 'hunger'.

9. Q types faster than R but not as fast as V. T types faster than R. S types faster than V. Who amongst the five of them types the fastest ?

(1) V

(2) T

(3) S

(4) Data Inadequate

(5) None of these

Ans : (4)

Solutions : T > R

S > V > Q > R

So, T or R types fastest.

10. If 'B x C' means 'B is the daughter of C', 'B + C' means 'B is the husband of C' and 'B - C' means 'B is the sister of C', then what does 'M + N - P x Q' mean ?

(1) M is the brother-in-law of Q

(2) M is the uncle of Q

(3) M is the son-in-law of Q

(4) Q is the mother-in-law of M

(5) None of the above

Ans : (3)

So, M is the son-in-law of Q.