



Date : 4th Jan 2024

Logical Reasoning – Arrangement & Pattern

English

Q:1 If in the number “6547902183”, the first five digits are arranged in descending order and the last five digits are arranged in ascending order, then what is the resultant if the sixth number from the left end is divided by the third number from the right end?

1. 6
2. 0
3. 2
4. 1
5. None of these

Q:2 How many such pairs of letters are there in the word 'ACHIEVEMENT' that have the same number of letters between them in the given word as in the English alphabetical series (both forward and backward)?

1. 2
2. 3
3. 4
4. 7
5. 10

Q:3 If 1 is added to all the even digits and 1 is subtracted from all the odd digits of the given number, then what is the sum of third digit from the left end and seventh digit from the right end of the new number formed?

49352876

1. 20
2. 6
3. 15
4. 11
5. 10

Q:4 How many such pairs of letters are there in the word 'MATCHES' that have the same number of letters between them in the given word as in the English alphabetical series (both forward and backward)?

1. 1
2. 2
3. 3
4. 4
5. 5

Q:5 If the letters of the word 'MACHINE' are arranged according to english alphabetical

order from left to right, then positions of how many letters remain unchanged?

1. 0
2. 1
3. 2
4. 3
5. 4

Q:6 If all the consonants are replaced with their previous letter and all the vowels are replaced with their next letter according to the alphabetical series in the word 'COMMENTS', then how many vowels are there in the new word formed after the rearrangement?

1. One
2. Two
3. Three
4. None
5. Four

Q:7 How many such pairs of letters are there in the word 'UNIVERSITY' which have the same number of letters between them in the given word as in the English alphabetical series (only from left to right)?

1. None
2. One
3. Two
4. Three
5. Four

Q:8 In the word 'DISCUSSION' all letters are replaced with their next letter in alphabetical series. Then the first and second letters interchange, the third and fourth letters interchanged and so on till the ninth and tenth letters interchanged. Which of the following letter is fifth to the left of the letter which is ninth from the left end?

1. E
2. T
3. D
4. J
5. P

Q:9 How many such pairs of letters in the word 'ABBREVIATION' which have the same number of letters between them in the given word as in the English alphabetical series (both forward and



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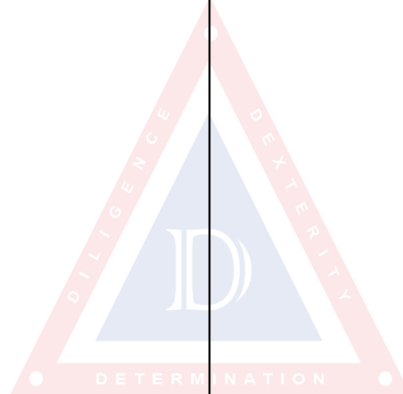
English

backward)?

1. 2
2. 3
3. 4
4. 6
5. more than 6

Q:10 If the letters of the word 'REVOLUTION' are changed, the even place is increased by 1 and the odd place is decreased by 1, then which letter will repeat?

1. Q
2. U
3. S
4. O
5. None of these



Answer Key

1. (2)	2. (3)	3. (5)	4. (4)	5. (3)
6. (4)	7. (4)	8. (2)	9. (4)	10. (5)

Answers and Solutions

Q:1 The correct answer is **Option 2** i.e. **0**

Given number: 6547902183

After applying the given condition: 9765401238

The sixth number from the left end = 0

the third number from the right end = 2

Resultant = $0/2 = 0$

Hence, the correct answer is **0**.

Q:2 The correct answer is **Option 3** i.e. **4**

Given word: ACHIEVEMENT

A C H I E V E M E N T



Forward:

A → E

H → I

H → M

I → M

Backward: No pair

Hence, the correct answer is **4**.

Q:3 The correct answer is **Option 5** i.e. **10**

Given number: 4 9 3 5 2 8 7 6

Operation: +1 -1 -1 -1 +1 +1 -1 +1

New number: 5 8 2 4 3 9 6 7

3rd digit from the left end = 2

7th digit from the right end = 8

$2 + 8 = 10$

Hence, the correct answer is **10**.

Q:4 The correct answer is **Option 4** i.e. **4**

Given word: MATCHES

M A T C H E S



Forward:

M → S

A → C

A → E

C → E

Thus, there are **4** such pairs.

Hence, the correct answer is **4**.

Q:5 The correct answer is **Option 3** i.e. **2**

Given word: MACHINE

Given word	M	A	C	H	I	N	E
Alphabetical order	A	C	E	H	I	M	N

Thus, the position of the **two letters** (H and I) remain unchanged.

Q:6 The correct answer is **Option 4** i.e. **None**

Given Word: COMMENTS

All the consonants are replaced with their previous letter and all the vowels are replaced with their next letter according to the alphabetical series,

New Word: BPLLFMSR

Hence, the correct answer is **None**.

Q:7 The correct answer is **Option 4** i.e. **Three**

The given word is UNIVERSITY:

Only moving from left to right

U N I V E R S I T Y

21 14 9 22 8 18 19 9 20 25



N → R

N → S

R → S

Hence, the correct answer is **three**.

Q:8 The correct answer is **Option 2** i.e. **T**

Given word: DISCUSSION

All letters are replaced with their next letter in alphabetical series:

EJTDVTTJPO

Applied the given operation:

JEDTTVJTPO

The letter which is fifth to the left of the letter which is ninth from the left end i.e. $(9 - 5) = 4$ th from the left end i.e. **T**



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Hence, the correct answer is **T**.

Q:9 The correct answer is **Option 4** i.e. **6**

Given the word: ABBREVIATION

Forward:

A → B

A → E

B → E

B → I

I → N

Backward: N → O

Hence, the correct answer is **6**.

Q:10 The correct answer is **Option 5** i.e. **None of these**

Given word: REVOLUTION

According to the condition,

QFUPKVSJNO

Clearly, no letter is repeated.

Hence, the correct answer is **None of these**.

