



Date : 5th Jan 2024

Logical Reasoning - Coding Decoding

English

**Direction 1 - 5 :** Study the following information carefully and answer the questions given below.

In a certain code language,

'Taj is in Agra' is coded as 'Ge Si Ni Te'.

'Hotel Taj is beautiful' is coded as 'Fe Ha Si Te'.

'Agra is beautiful city' is coded as 'Fe Ca Si Ge'.

**Q:1** What is the code for Agra?

1. Fe
2. Ca
3. Si
4. Ge
5. Ha

**Q:2** What does 'Ca' mean in that language?

1. is
2. Hotel
3. beautiful
4. in
5. city

**Q:3** What is the code for Hotel?

1. Ha
2. Si
3. Ca
4. Ni
5. Te

**Q:4** How will 'Sky looks beautiful' be written in that language?

1. Ma Ke Li
2. Fe Ma Li
3. Ka Li Fe
4. Ha Me Fe
5. Either 2 or 3

**Q:5** What could be the meaning of 'Ja Ki Ca Si' in that language?

1. Jaipur is pink city
2. Agra is beautiful city
3. Taj is in city
4. Hotel is in city
5. Taj Mahal is beautiful

**Directions 6 - 10 :** Read the given information carefully and answer the following questions.

In a certain language,

'Book and copy notes' is coded as 'B#X H@M W#Z P@Y'

'College home school' is coded as 'O@H V@S V%X'

'Mobile needs battery' is coded as 'V%N H@M B@Y'

**Q:6** What is the code for 'Mobile'?

1. V@N
2. H@M
3. V%X
4. V%N
5. None of these

**Q:7** What will be the code for 'Student'?

1. G\$T
2. G#T
3. G@T
4. G@H
5. None of these

**Q:8** What will be the code for 'University'?

1. B%F
2. B#U
3. U#B
4. F%B
5. None of these

**Q:9** What will be the code for 'laptop'?

1. K#O
2. K@O
3. O#K
4. O@K
5. None of these

**Q:10** What is the code for 'Home'?

1. H@M
2. H%M
3. V@S
4. V#S
5. V%S

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### Answer Key

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

### Answers and Solutions

Q:1 The correct answer is **Option 4** i.e. **Ge**

Taj is in agra → Ge Si Ni Te  
 Hotel Taj is beautiful → Fe Ha Si Te  
 Agra is beautiful city → Fe Ca Si Ge

After decoding the given statements, we get:

**Ge** means **Agra**.

**Si** means **is**.

**Ni** means **in**.

**Fe** means **Beautiful**.

**Ha** means **Hotel**.

**Te** means **Taj**.

**Ca** means **City**.

The code for **Agra** is **Ge**.

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

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

Taj is in agra → Ge Si Ni Te  
 Hotel Taj is beautiful → Fe Ha Si Te  
 Agra is beautiful city → Fe Ca Si Ge

After decoding the given statements, we get:

**Ge** means **Agra**.

**Si** means **is**.

**Ni** means **in**.

**Fe** means **beautiful**.

**Ha** means **Hotel**.

**Te** means **Taj**.

**Ca** means **city**.

**Ca** means **city**.

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

Q:3 The correct answer is **Option 1** i.e. **Ha**

Taj is in agra → Ge Si Ni Te  
 Hotel Taj is beautiful → Fe Ha Si Te  
 Agra is beautiful city → Fe Ca Si Ge

After decoding the given statements, we get:

**Ge** means **Agra**.

**Si** means **is**.

**Ni** means **in**.

**Fe** means **Beautiful**.

**Ha** means **Hotel**.

**Te** means **Taj**.

**Ca** means **City**.

The code for **Hotel** is **Ha**.

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

Q:4 The correct answer is **Option 5** i.e. **Either 2 or 3**

Taj is in agra → Ge Si Ni Te  
 Hotel Taj is beautiful → Fe Ha Si Te  
 Agra is beautiful city → Fe Ca Si Ge

After decoding the given statements, we get:

**Ge** means **Agra**.

**Si** means **is**.

**Ni** means **in**.

**Fe** means **Beautiful**.

**Ha** means **Hotel**.

**Te** means **Taj**.

**Ca** means **City**.

Since **Fe** means **Beautiful**, either **ka li fe** or **fe ma li** can mean **sky looks beautiful**.

Hence, the correct answer is **Either 2 or 3**.

Q:5 The correct answer is **Option 1** i.e. **Jaipur is pink city**

Taj is in agra → Ge Si Ni Te  
 Hotel Taj is beautiful → Fe Ha Si Te  
 Agra is beautiful city → Fe Ca Si Ge

After decoding the given statements, we get:

**Ge** means **Agra**.

**Si** means **is**.

**Ni** means **in**.

**Fe** means **Beautiful**.

**Ha** means **Hotel**.

**Te** means **Taj**.

**Ca** means **City**.

We are certain that **Ca** means **city** and **Si** means **is**, hence out of all the options, the meaning of the given code must be **Jaipur is pink city**.



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Hence, the correct answer is **Jaipur is pink city.**

**Q:6** The correct answer is **Option 4** i.e. **V%N**

In this coded language,

The given word is coded as opposite letter of first and last letter of the given word and a symbol is used to denote the number of vowels in the word.

'Book' is coded as 'P@Y'

1) P is the opposite letter of K

2) Y is an opposite letter of B

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

3) Symbol represent the number of vowels in the word.

1 vowel = #

2 vowels = @

3 vowels = %

Mobile is coded as:

Opposite letter of M is **N**.

Opposite letter of E is **V**.

Number of vowels in the word 'mobile' is 3

Hence, 'mobile' is coded as '**V%N**'

Hence, the correct answer is **V%N**.

**Q:7** The correct answer is **Option 4** i.e. **G@H**

In this coded language,

The given word is coded as opposite letter of first and last letter of the given word and a symbol is used to denote the number of vowels in the word.

'Book' is coded as 'P@Y'

1) P is the opposite letter of K

2) Y is an opposite letter of B

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

3) Symbol represent the number of vowels in the word.

1 vowel = #

2 vowels = @

3 or more than 3 vowels = %

Student is coded as:

Opposite letter of S is **H**.

Opposite letter of T is **G**.

Number of vowels in the word 'Student' is 2

Hence, 'Student' is coded as '**G@H**'

Hence, the correct answer is **G@H**.

**Q:8** The correct answer is **Option 1** i.e. **B%F**

In this coded language,

The given word is coded as opposite letter of first and last letter of the given word and a symbol is used to denote the number of vowels in the word.

'Book' is coded as 'P@Y'

1) P is the opposite letter of K

2) Y is an opposite letter of B

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

3) Symbol represent the number of vowels in the word.

1 vowel = #

2 vowels = @

3 or more than 3 vowels = %

University is coded as:

Opposite letter of U is **F**.

Opposite letter of Y is **B**.

Number of vowels in the word 'University' is 4

Hence, 'University' is coded as '**B%F**'

Hence, the correct answer is **B%F**.

**Q:9** The correct answer is **Option 2** i.e. **K@O**

In this coded language,

The given word is coded as opposite letter of first and last letter of the given word and a symbol is used to denote the number of vowels in the word.

'Book' is coded as 'P@Y'

1) P is the opposite letter of K

2) Y is an opposite letter of B

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





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3) Symbol represent the number of vowels in the word.

1 vowel = #

2 vowels = @

3 or more than 3 vowels = %

Laptop is coded as:

Opposite letter of L is O.

Opposite letter of P is K.

Number of vowels in the word 'Laptop' is 2

Hence, 'laptop' is coded as 'K@O'

Hence, the correct answer is K@O.

**Q:10** The correct answer is **Option 3** i.e. **V@S**

The given word is coded as opposite letter of first and last letter of the given word and a symbol is used to denote the number of vowels in the word.

'Book' is coded as 'P@Y'

1) P is the opposite letter of K

2) Y is an opposite letter of B

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

3) Symbol represent the number of vowels in the word.

1 vowel = #

2 vowels = @

3 or more than 3 vowels = %

Home is coded as:

Opposite letter of H is S.

Opposite letter of E is V.

Number of vowels in the word 'Home' is 2

Hence, 'Home' is coded as 'V@S'

Hence, the correct answer is V@S.