



## **Coding and Decoding Questions for RRB NTPC Set-3 PDF**

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### Instructions

For the following questions answer them individually

#### Question 1

In a certain code, LONDON is coded as 24 - 30 - 28 - 8 - 30-28. How will FRANCE be coded?

- A 10- 24 - 6- 28 - 6- 12
- B 12 - 26 - 6 - 28 - 8 - 10
- C 12 - 36 - 2 - 28 - 6 - 10
- D 12 - 26 - 2 - 28 - 8 - 10

Answer: C

#### Explanation:

the pattern for the above statement is that each letter is represented by a number which is twice its position in the Alphabet. Which will mean FRANCE will be represented as 12 - 36 - 2 - 28 - 6 - 10. which is option C . therefore, the correct answer is option C.

#### Question 2

In a certain code of numbers, GREEN is written as 20, 9, 22, 22, 13. How would YELLOW be written in the code ?

- A 2, 26, 15, 15, 12, 4
- B 2, 5, 4, 14, 14, 10
- C 2, 2, 5, 12, 12, 3
- D 2, 9, 17, 17, 3, 7

Answer: A

#### Explanation:

Code for GREEN : 20, 9, 22, 22, 13

The pattern followed is that the the position of the letters from right end is given, i.e. Z = 1 , Y = 2 , X = 3 , ....., B = 25 , A = 26

Thus, Y -> 2

A -> 26

L -> 15

L -> 15

O -> 12

W -> 4

=> YELLOW : 2, 26, 15, 15, 12, 4

=> Ans - (A)

#### Question 3

If A denotes +, B denotes —, C denotes x and D denotes ÷, then which of the following statements is true ?

- A  $9 C 9 B 9 D 9 A 9 = 17$
- B  $3 A 3 B 3 C 3 A 3 D 3 = 4$
- C  $8 B 6 D 2 A 4 C 3 = 15$
- D  $8 A 8 B 8 C 8 = - 48$

**Answer:** D

**Explanation:**

For the given notations

option D will be equal to:  $8+8-8*8$ , which on solving by applying BODMAS will be equal to -48.

hence option D is true and is the correct answer.

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**Question 4**

If A stands for '+', D for '-', M for 'x', V for '÷', G for '>', E for '=' and L for '<' then 20A4 is

A L (21 D 3)

B G (30 D 3)

C G (21 V 3)

D E (15 M 2)

**Answer:** C

**Explanation:**

Expression = 20A4

$\equiv 20 + 4 = 24$

(A) : L (21 D 3)

$\equiv < (21 - 3) = 18$

But,  $24 > 18$ , false

(B) : G (30 D 3)

$\equiv > (30 - 3) = 27$

But,  $24 < 27$ , false

(C) : G (21 V 3)

$\equiv > (21 \div 3) = 7$

because  $24 > 7$ , true

$\Rightarrow$  Ans - (C)

**Question 5**

The word TRADE is coded as XVEHI. How should the word PUBLIC be coded ?

A TYFPMG

B SXLLOP

C TYFMPG

D SXEOLF

**Answer:** A

**Explanation:**

If The word TRADE is coded as XVEHI, we see a pattern in the form of each letter being represented by a letter that comes fourth in the sequence of the Alphabet. therefore PUBLIC will be coded as TYFPMG. hence the correct answer is option A.

**Question 6**

If SENT is written as '+ Λ × -' and ANT is written as '\* × -' then how is TEN written in that code ?

- A × + -
- B \_ Λ ×
- C \* - ×
- D - × Λ

**Answer:** B

**Explanation:**

If SENT is written as '+ Λ × -' and ANT is written as '\* × -' therefore we can infer that the pair of letters NT will be represented by ' × -'. hence it can be inferred that E will be represented by ' Λ '. therefore TEN will be represented by '\_ Λ ×' hence the correct answer is option B.

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**Question 7**

If 'STYLE' is written as PQVIB, how can 'SMELL' be written in that code ?

- A PJBII
- B PVBII
- C PVHII
- D PJHII

**Answer:** A

**Explanation:**

If 'STYLE' is written as PQVIB, it can be observed that each letter be represented by the letter that comes 3 places before it in the Alphabet, i.e.

P  
Q  
R

S... we can see that S is represented by P and so on. similarly, SMELL can be represented by PJBII. which is option A.

**Question 8**

If P denotes +, Q denotes ×. R denotes ÷ and S denotes -, then  $12 Q 15 P 3 R 4 S 6 = ?$

- A 70
- B 57
- C 58
- D 68

**Answer:** C

**Explanation:**

Expression :  $12 Q 15 P 3 R 4 S 6 = ?$

$$12 \times 15 \div 3 + 4 - 6 = ?$$

=  $12 \times 5 - 2 = 58$

=  $60 - 2 = 58$

=> Ans - (C)

**Question 9**

If **SEARCH** is coded as **TFBSDI**, how will **PENCIL** be coded?

- A RGPEN
- B LICNEP
- C QFODJM
- D QDMBHK

**Answer:** C

**Explanation:**

If **SEARCH** is coded as **TFBSDI**, then we can infer the pattern to be each letter being represented by the letter that succeeds it immediately in the Alphabet. Similarly, we can code **PENCIL** as **QFODJM**, which is option C.

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**Question 10**

If **FLATTER** is coded as **7238859** and **MOTHER** is coded as **468159**, then how is **MAMMOTH** coded ?

- A 4344681
- B 4344651
- C 4146481
- D 4346481

**Answer:** A

**Explanation:**

The code for each letter is given :

- M -> 4
- A -> 3
- M -> 4
- M -> 4
- O -> 6
- T -> 8
- H -> 1

Thus, **MAMMOTH** : **4344681**

=> Ans - (A)

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