

Rajasthan Public Service Commission (RPSC)

Reasoning & Mental Ability



विषयसूची

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1 CHAPTER

Coding - Decoding

The process of writing a letter / word / sentence in a sign language is called encoding or coding and the process of converting a letter / word / sentence written in a sign language into its value or real meaning is called encoding or decoding. Generally, the encoding is based on the English alphabet and their corresponding numbers.

Question Types -

Type 1 – Encoding a word or a group of letters into a group of letters

In this type of questions, the word or letter group is encoded by the replacement of letters/letter group by the opposite letters or other letters of the alphabet.

- In this type of questions, a group of letters is given, whose order of letters is changed to write the code language. In this type of encoding, there is complete similarity in the number and type of letters of the root word or real word and the words of the code language, but there is a change in the places of the letters.
- (i) All the letters of the word are written in reverse order

Example - 1

If in a code language DEMOCRACY is coded as YCARCOMED, then how will PRESIDENT be written in that code language? (a) EIETPRSDN (b) NDSRPTEIE

- (c) TNEDISERP (d) RSDNPEIET
- Ans. (c)

Solution -

Just as,

 $D \in M \cap C \cap A \cap Y \longrightarrow Y \cap A \cap C \cap M \in D$ 123456789 987654321 Similarly, $P R E S I D E N T \longrightarrow T N E D I S E R P$ 1 2 3 4 5 6 7 8 9 987654321 (ii) When the letters of the word are written by dividing them into different parts or by changing the order separately. Example - 2 If in a sign language PUBLIC is written as LICPUB, then how will TROPHY be written in that sign language? (a) PHYTRO (b) PHTYRO (d) ORTPHY (c) PHYTOR Ans. (a) Solution -Just as, PUBLIC-LICPUB 1 2 3 4 5 6 456123 Similarly, TROPHY-→ РНҮТКО 123456 4 5 6 1 2 3 (iii) When each letter of the word is written at a certain place. Example - 3 If in a sign language RIGHT is written as GHRTI, then how will BIRTH be written in that sign language? (a) TIRBH (b) RITBH

(a) TIRBH (b) RTIBH (c) RTBIH (d) RTBHI **Ans. (d)** Solution -

Just as, RIGHT-→GHRTI 1 2 3 4 5 3 4 1 5 2 Similarly, BIRTH-► R T B H I

3 4 1 5 2 1 2 3 4 5

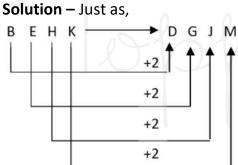
- 2. Encoding in the form of other letters -Under this, a group of letters is given, which is encoded or encoded in the form of other letters.
- (i) Forward sequence method In the forward sequence, each letter of a letter group word is coded in ascending order of the English alphabet.

Example - 4

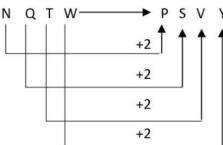
Just as B E H K can be written as D G J M. Similarly which of the following can be written as N Q T W?

- (a) P R T V (b) ORTV (d) P R U X
- (c) PSVY

Ans. (c)



Similarly,



(ii) Backward order system - In the backward order, each letter of a letter group or word is encoded in the decreasing order of the English alphabet.

Example - 5 If in a sign language FLOWER is written as ZGKTCQ, then how will NATURE be written in what sign language? (a) H P V R P D (b) H V P R P D (c) P R D V H P (d) Q Z N P R S Ans. (b) **Solution** – Just as, FLOWER — → ZGKTCQ -6 -5 -4 -3 -2 -1 Similarly, NATU RE — HVPRPD -6 -5 -4 -3 -2

Therefore, N A T U R E = H V P R P D

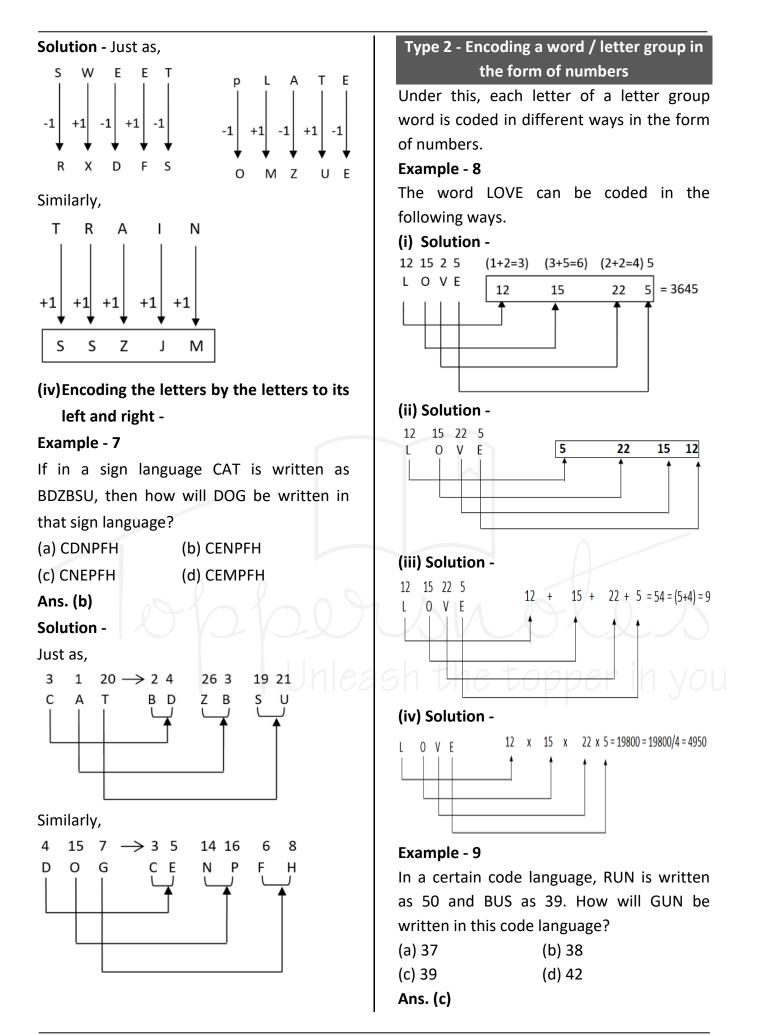
(iii)Fixed Sequence System (Forward and Backward)

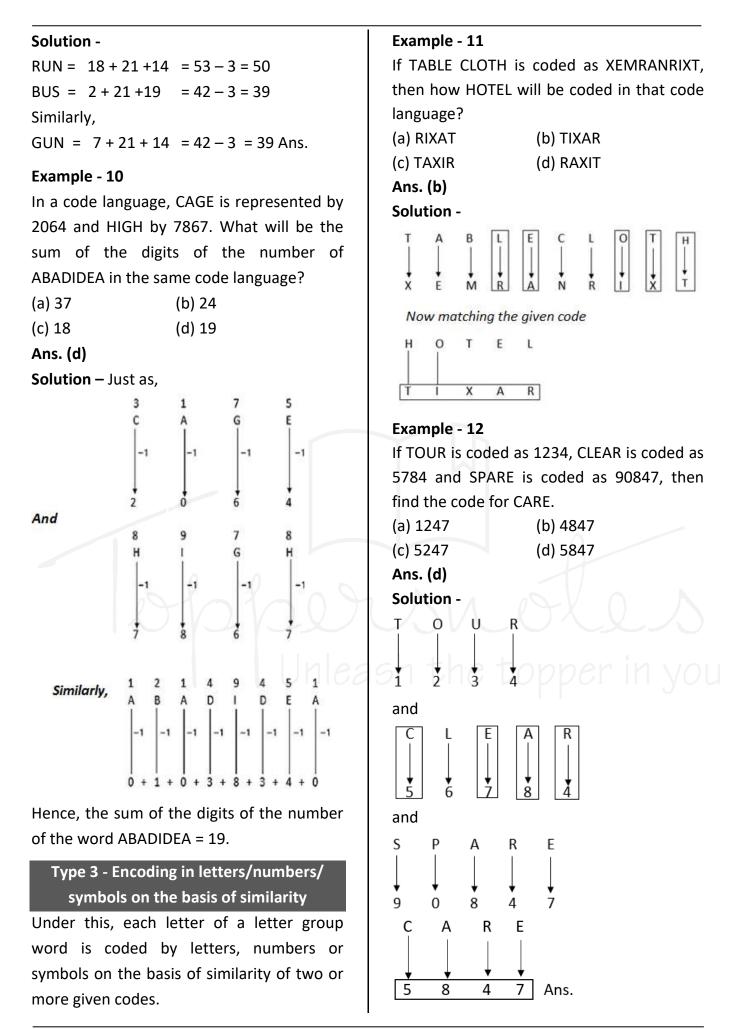
-1

Example - 6

In a code language, SWEET is coded as RXDFS and PLATE is coded as OMZUD, how will TRAIN be written in that code language?

(a) S S Z J M (b) S Q Z H M (c) U Q B H O (d) U S B J O Ans. (a)





Example - 13 In a code language, P is #, A is %, C is and E is @. How will PEACE be written in that code language? (a) # @ % @ # (b) # @ # Ø @ (c) % # @ Ø % (d) # @ % Ø @ Ans. (d) Solution -Ρ Ε А С Е

Type 4 - Encoding by Word Substitution

@ Ans.

Ø

Under this, a series of words is given, each of which is coded as another word.

Example - 14

@

#

If football is called cricket, cricket is called basketball, basketball is called badminton, badminton is called volleyball, volleyball is called hockey, then which of the following sports is not played with a ball.

(a) Cricket (b) Volleyball (d) Badminton

%

(c) Hockey

Ans. (b)

Solution - Badminton is not played with a ball, but in the question, badminton is called volleyball, so volleyball is not played with a ball.

Type 5 - Encoding of word group as letter group/numbers/letters

Under this, the coding of words is done in the form of words / numbers / letters, in this comparison between the given words is done on the basis of the common elements present in them.

Example - 15

In a certain code language Nek, pek, dek means Read my book and dek, sek, wek means a book stand. Which word is used for book in this code language?

| Ans. (a) | |
|----------|---------|
| (c) sek | (d) nex |
| (a) dek | (b) wek |

Solution - As per given information.

| nek | pek | dek | read my book |
|-----|-----|--|--------------|
| dek | sek | Sector and the sector sector and the sector of | abookstand |

From euations (i) and (ii) dek - book

Type - 6 Conditional Encoding

Under this letters / numbers / symbols are given and codes are given just below it. Some conditions are also given in the question according to which the code of the given word has to be found.

Example - 16

Read the following conditions and find the correct code for the letter set.

| Letter | А | Ε | Ι | 0 | U | L | Μ | Ρ | S |
|--------|---|---|---|---|---|---|---|---|---|
| Symbol | 1 | r | z | л | E | 6 | 7 | 0 | 0 |
| Code | 1 | 4 | ר | 4 | ר | 0 | / | 0 | 9 |

Terms -

- (i) If the first and the last letter is a vowel, then both will be coded as \$.
- (ii) If the second letter is a vowel and the third letter is a consonant, the same shall be used and the 2 codes will be given in combination.
- (iii) If the first letter is a consonant and the last letter is a vowel, both are to be coded as #.

How to write the word "APPLE" in that sign language?

L

6

6

Е

2

\$

| (a) & 5 5 6 # | | | |
|----------------------|----|---|---|
| (b) & 8 8 6 \$ | | | |
| (c) \$886\$ | | | |
| (d) # 8 8 6 # | | | |
| Ans. (c) | | | |
| Solution - | | | |
| Letter group | А | Ρ | Ρ |
| Numeral Code | 1 | 8 | 8 |
| As per condition (i) | \$ | 8 | 8 |

| | Practice Question | Q.9 | If 'water' is 'blue', 'blue' as 'red', 'red' |
|-----|---------------------------------------|------|--|
| Q.1 | If in a sign language BOND is written | | as 'white', 'white' as 'sky', 'rain', 'rain' |
| | as APME, then how will MALE be | | as 'green', 'green' as ' If 'Vayu' and |
| | written in that language? | | 'Vayu' are called 'table', then which of |
| | (a) NZMD (b) LBKF | | the following will be the color of milk. |
| | (c) NBMF (d) NBKE | | (a) Table (b) Wind |
| Q.2 | If CUSTOM is coded as UCTSMO, | | (c) Rain (d) SKy |
| | then how is PARENT written? | Q.10 | If in a sign language '975' means |
| | (a) TNERAP (b) RAPTNE | | 'Throw away garbage', '528' means |
| | (c) ERAFTN (d) APERTN | | 'Give away smoking' and '213' means |
| Q.3 | In some sign language SOLID is | | smoking is harmful, then what is the |
| | written as WPSLPIMFHA. What does | | sign of 'Give'? |
| | the code ATEXXQIBVO stand for? | | (a) 5 (b) 2 |
| | (a) EAGER (b) WAFER | | (c) 8 (d) 9 |
| | (c) WAGER (d) WATER | 0.11 | |
| Q.4 | The word STAG is written as HGZT, | Q.11 | , |
| | HORN and SLIM in a special way. | | $x \div *$ and READ as $*x \div $$. What will |
| | How can NORTH be written using the | | be written as FADE in the same |
| | same code? | | code? |
| | (a) NLGMI (b) MLIGS | | (a) $+ \div \$ x$ (b) $x \div + \$$ |
| | (c) MGLIS (d) NLGIS | | (c) $\$ \div + *$ (d) $\div \$ + x$ |
| Q.5 | If z = 52 and ACT = 48, then BAT is | Q.12 | Read the conditions given below and |
| | equal to which of the following? | | find the symbolic court of the letter |
| | (a) 23 (b) 46 | | set. |
| | (c) 69 (d) 92 | | Numbers 3 9 6 2 8 7 |
| Q.6 | If HONESTY is written as 5132468 | | 5 4 1 |
| | and POVERTY as 7192068, then | | Letter/Symbol M = S @ P |
| | HORSE will be coded as? | Sh' | A D V * |
| | (a) 50124 (b) 51042 | | Terms |
| | (c) 51024 (d) 52014 | | (i) If the first digit is odd and the last |
| Q.7 | In a sign language, the code for | | digit is even, then the codes of the |
| | BOMBAY is 021513020125, then | | first and last digit are interchanged. |
| | what will be the code for DELHI in | | (ii) If both the first and the last are |
| | that language? | | even, then both are coded as the |
| | (a) 451289 (b) 040512809 | | code of the last. |
| | (c) 0405120809 (d) 04051108 | | |
| Q.8 | In a particular CODE, BEAM is written | | (iii) If both the first and the last are |
| | as 5%*K and COME is written as | | odd, then both are to be coded as |
| | \$7K%. How will BOMB be written in | | 'x'. |
| | that code language? | | How to write 285961 in sign language? |
| | (a) 5%K5 (b) 75K5 | | (a) @ P D = S * (b) @ A D = S * |
| | (c) \$7K\$ (d) 5\$%5 | | (c) @ P V = S * (d) @ P D = S V |
| | | I | |

| Answer Key | | | | | | | |
|------------|-----|------|-----|------|-----|------|-----|
| Q.1 | (b) | Q.2 | (d) | Q.3 | (d) | Q.4 | (b) |
| Q.5 | (b) | Q.6 | (B) | Q.7 | (c) | Q.8 | (b) |
| Q.9 | (d) | Q.10 | (c) | Q.11 | (a) | Q.12 | (a) |



Series



The series test series has to be studied carefully to find out whether this series is following the order/rule or not.

The questions asked under this test can be classified into the following categories.

- 1. Digit series
- 2. Alphabet series
- 3. Frequency Series of Digits/Characters

There are a few things to keep in mind while doing chain test.

- A. First try to play the whole chain.
- B. If the chain does not work, then we run it by laughing.
- C. At the very end run the alternate series

1. Digit series -

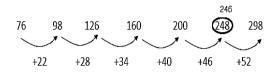
In this, a series of marks is given in the questions asked. This series is based on addition, subtraction, multiplication, division, square, square root, cube, cube root etc.

Type - (i) Finding the wrong term in the



In the series sequence, a wrong digit is added in place of the digit appearing at a particular place. For this, first of all it should be known that which term is not changing according to that rule, that is the wrong term.

Ex.1 Which number is missing in the following number series? 76, 98, 126, 160, 200, 248, 298 (A) 248 (B) 200 (C) 160 (D) 298 Ans. (A) Sol. After observing the above series carefully, we find that the sixth term of the series is inappropriate Because the number to be added to each term is 6 digits more than its first number.



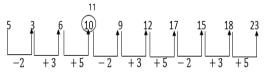
So instead of 248, there will be 246.

- Ex.2 Which number in the following series is such that it is inappropriate in the series?
 - 5, 3, 6, 10, 9, 12, 17, 15, 18, 23

| (A) 6 | (B) 9 |
|--------|--------|
| (C) 12 | (D) 10 |

Ans. (D)

Sol. After observing the above series carefully, we find that the series is decreasing and increasing in the order of -2, +3, +5, -2, +3, +5



In the above series, 11 should come after the digit '6'. Hence the wrong number in the series is 10.

Directions: Question (1-7) Find the missing number in the following series.

Q.1 56, 42, 30, 20, ?, 6

| | (A) 15 | (B) 12 |
|------|--------|--------|
| | (C) 18 | (D) 14 |
| Ans. | (B) | |

8

Explanation-56 42 -14 -12 -10 So, ? = 12 Q.2 1, 6, 15, ?, 45, 66, 91 (A) 25 (B) 26 (C) 27 (D) 28 Ans. (D) **Explanation**-6 28 1 15 45 66 91 +5+9 +13 +17 +4 +4+4So, ? = 28 Q.3 1, 3, 7, 13, 21, 31, 43, ? (A) 55 (B) 57 (C) 59 (D) 61 Ans. (B) **Explanation-**31 31 43 +2 +10 +12 So, ? = 57 0.5, 2, 4.5, 8, 12.5, ? Q.4 (A) 17 (B) 16 (C) 16.5 (D) 18 Ans. (D) 0.5 22.5 12.5 4.5 1.5 2.5 3.5 4.5 **Explanation-**So, ? = 18 3, 6, 18, 21, 63, 66, ? Q.5 (A) 181 (B) 160 (C) 147 (D) 198 Ans. (D) **Explanation-** $3 + 3 = 6, 6 \times 3 = 18$ 18 + 3 = 21, 21 x 3 = 63 So, 63 + 3 = 66 ? = 66 × 3 = 198

Q.6 510, 322, 404, ?

(A) 422 (B) 371 (C) 629 (D) 819

Ans. (A)

Explanation –

There are even numbers in the sequence.

So, ? = 422

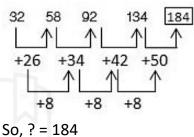
Q.7 32, 58, 92, 134, ?

| (A) 184 | (B) 194 |
|---------|---------|
| (C) 156 | (D) 169 |

Ans. (A)

57

Explanation-



! - 104



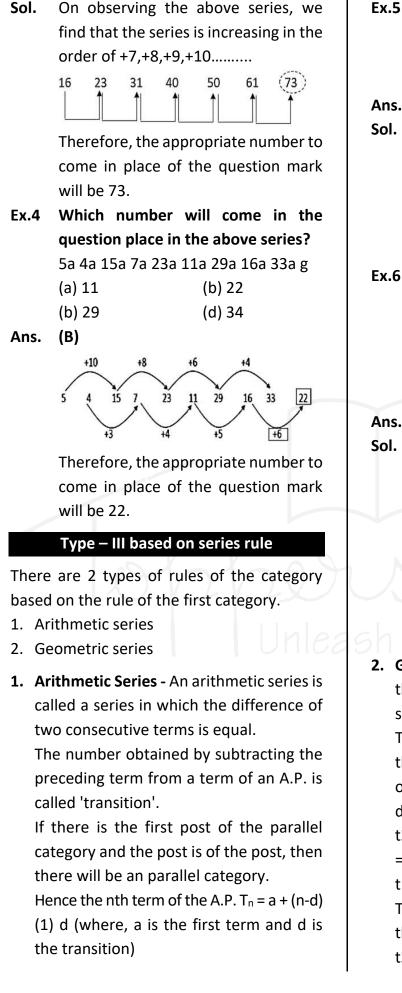
Completing the series -

Under this, in the given series sequence, a particular place is left blank or is denoted by the question mark (?), then the candidates are expected to find that sequence and mark the question mark (?). Select the appropriate number to come in place of.

Ex.3 Which of the given number will come in place of question mark in the series?

| 16, 23, 31, 4 | 0, 50, 61, ? |
|---------------|--------------|
| (A) 81 | (B) 83 |
| (C) 77 | (D) 73 |
| (D) | |

Ans.



Ex.5 What will be the 10th term of 1st

- series 3, 5, 7, 9..... (A) 15 (B) 20
- (C) 12 (D) 21

Ans. (D)

Sol. 10th term Tn = a + (n-1) d T10 = 3 + (10 - 1) × 2 T10 = 3 + 18 T10 = 21

Hence the 10th term is 21

Ex.6 If the first term of an arithmetic sequence is 5, the second term is 3 and the last term is 80, then find the number of terms.

```
(A) 24 (B) 23
```

```
(C) 26 (D) 29
```

Ans. (C)

Sol. a = 5, d = 3, Tn = 80, n = ? Tn = a + (n - 1)d 80 = 5 + (n - 1) 3 (n - 1) = 80 - 5/3 n - 1 = 25 n = 25 + 1n = 26

Hence the number of posts is 26

 Geometric Series - Such a series in which the ratio of two consecutive terms is same is called 'Geometric Series'. This ratio is called the 'common ratio' of

the geometric series. The 'common ratio' of a geometric series is obtained by dividing a term by its previous term, i.e.

t2/t1=t3/t2=t4/t3= … … … … …

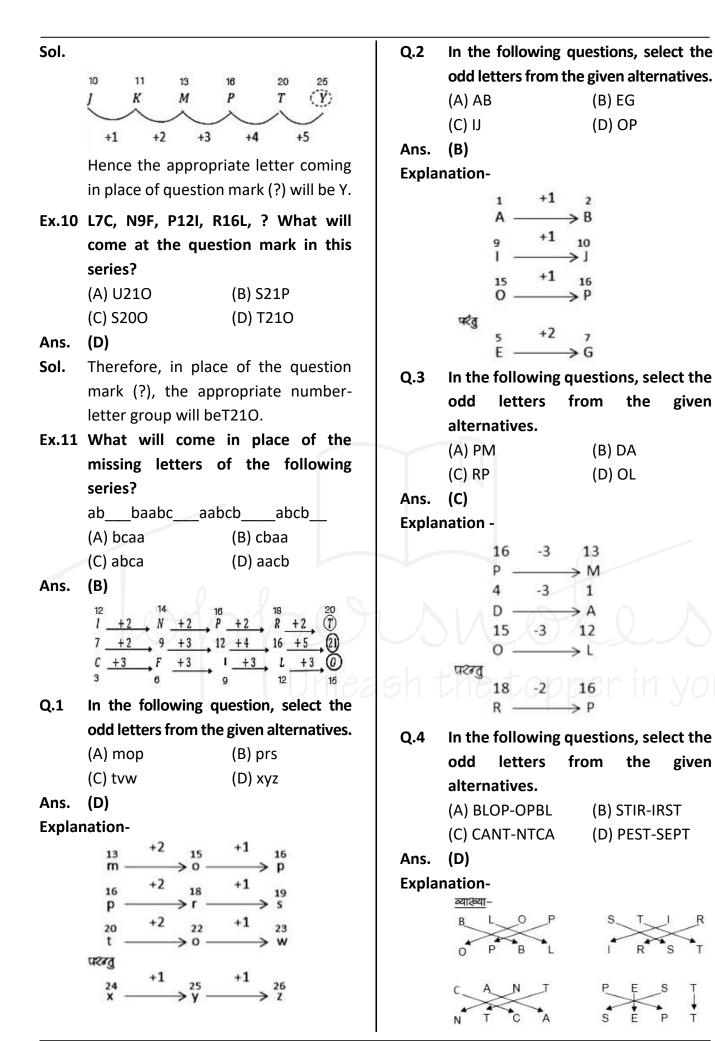
=tn/tn-1=proportionate

t1,t2,t3,t4

The middle term is the average of both the terms.

t2 - t1 = t3 - t2 = t4 - t3

| If the first term of a geometric series is a | | | Explanation- | | | | |
|--|-------------------------------------|-----------------|---|--|-----------------------------|--|--|
| and the proportion is r, then the nTH | | | | Except the number pair 13-37, in all | | | |
| te | rm of that geometric se | ries | | the other numb | er-pairs, the second | | |
| Tn | = a. r^n-1 | | | number is thr | ee times the first | | |
| Ex.7 | What is the 6th term | n of the series | | number. | | | |
| | 3,9,27,81,? | | | 10 × 3 = 30 | | | |
| | (A) 729 (E | 3) 243 | | 11 × 3 = 33 | | | |
| | (C) 1681 (I | 0) 1747 | | 50 × 3 = 150 | | | |
| Ans. | (A) | | | but, | | | |
| Sol. | First Term a = 3 | | | 13 × 3 – 2 = 37 | | | |
| | Common ratio d=9/3= | 3 | Q.2 | In the following | questions, select the | | |
| | 6th termT6 = a. r^n−1 | | | odd number p | air from the given | | |
| | = 3. 3^6 - 1 | | | alternatives. | | | |
| | = 3 × 3^5 | | | (A) 18 : 37 | (B) 24 : 47 | | |
| | = 3 × 243 = 729 | | | (C) 32 : 65 | (D) 48 : 97 | | |
| | = 3 × 243 = 729 | | Ans. | (B) | | | |
| | So the 6th term is 729 | | Expla | nation- | | | |
| Ex.8 | What will be the 10 | | Number pair 24 | 4: Except 47, in all | | | |
| | series 7, 14, 28,? | | other number-pairs, the second | | | | |
| | (A) 3216 (E | 3) 2736 | | number is one r | more than twice the | | |
| | (C) 2684 (E | 0) 3584 | | first number. | | | |
| Ans. | (D) | | | 18 × 21= 37 | | | |
| Sol. | First Term a=7 | | | 32 × 21 =65 | | | |
| | Common ratio=14/7=2 | | | 48 × 21= 97 | | | |
| | 10th term | | | but, | | | |
| | T10 = a. r^n−1 | | Sh - | 24 × 2-1=47 | | | |
| | = 7 × 2^10-1 | | 3. | Alphabet series | - | | |
| | = 7 × 2^9 | | 5. | - | , ies of letters related | | |
| | = 7 × 512 | | | | | | |
| | = 3584 | | to the English alphabet is given in the given series, in which one or two | | | | |
| | Hence the 10th term i | s 3584 | | letters are omitted, or is represented | | | |
| | Type-IV | | | | ark (?) in that place. | | |
| Q.1 | | Ex.9 | | in place of question | | | |
| ע .1 | In the following quest | | | mark (?) in the g | | | |
| | odd number pair fr alternatives. | on the given | | JKMPT? | | | |
| | | 2) 11 22 | | (A) X | (B) W | | |
| | | 3) 11.33 | | (A) X (C) Y | (D) none | | |
| A | | 0) 13.37 | Ans. | | | | |
| Ans. | (D) | | AIIS. | (C) | | | |



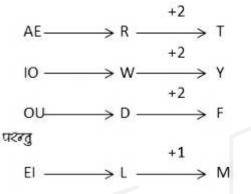
Q.5 In the following questions, select the odd letters from the given alternatives.

| (A) EI-LM | (B) AE-RT |
|-----------|-----------|
| (C) IO-WY | (D) OU-DF |

Ans. (A)

Explanation –

'Letter-pair' is a letter gap between the letters of the second unit in all other letter-pairs except 'EI-LM'. The first unit has a continuous vowel.



Q.6 In the following questions, select the odd letters from the given alternatives.

(A) DEGJ (B) QRTW (C) YZBE (D) JKNQ

Ans. (D)

Explanation -

$\begin{array}{c} \begin{array}{c} 4 & +1 & 5 & +2 & 7 & +3 & 10 \\ D \longrightarrow E \longrightarrow G & \longrightarrow J \\ 17 & +1 & 18 & +2 & 20 & +3 & 23 \\ Q \longrightarrow R \longrightarrow T & \longrightarrow W \\ 25 & +1 & 26 & +2 & 2 & +3 & 5 \\ Y \longrightarrow Z \longrightarrow B & \longrightarrow E \\ \hline UZ3G \\ 10 & +1 & 11 & +3 & 14 & +3 & 17 \\ J & \longrightarrow K \longrightarrow N \longrightarrow Q \end{array}$

Q.7 In the following questions, select the odd letters from the given alternatives.

| (A) ACDF | (B) TUOP |
|----------|----------|
| (C) HIVW | (D) FGKL |
| (Δ) | |

Ans. (A)

Explanation -

```
1 \xrightarrow{+2} 3 \xrightarrow{4} \xrightarrow{+2} 6
A \longrightarrow \underbrace{C}_{:} D \xrightarrow{} F
20 \xrightarrow{+1} 21 \xrightarrow{15} \xrightarrow{+1} 16
T \longrightarrow \underbrace{U}_{:} D \xrightarrow{} P
8 \xrightarrow{+1} 9 \xrightarrow{22} \xrightarrow{+1} 23
H \longrightarrow \underbrace{L}_{:} V \xrightarrow{} W
6 \xrightarrow{+1} 7 \xrightarrow{11} \xrightarrow{+1} 12
F \longrightarrow \underbrace{G}_{:} K \longrightarrow L
```

3. Frequency series of digits or letters -

Under this, the numbers or letters appear repeatedly in a certain sequence, thus forming a series of numbers / letters in which one or two digits in the middle or end or

Alphabets are lost and candidates have to find out the missing number/letters.

Ex.12 02487503001024875030010

| (A) 2,4 | (B) 0,1 |
|---------|---------|
| (C) 0,2 | (D) 4,8 |

Ans. (A)

Sol. After looking carefully at the given series of numbers, we find that 02487503001 is appearing repeatedly in the sequence.

So the next two digits will be 2 and 4. Directions: (1-7) Find the missing term in the following series-

Q.1 Y, S, N, J, G, ?

| (A) F | (B) E |
|-------|-------|
| (C) H | (D) I |

Ans. (B)

Explanation-

Hence, the appropriate term coming in place of (?) will be E.

Q.2 NZ, OY, PX, QW, RV, ?

| | (A) FS | (B) SU |
|------|--------|--------|
| | (C) UF | (D) TU |
| Ans. | (B) | |

| Expla | planation- | | Q.6 | BC, GH, LM, ? | | |
|------------|---|-----------------------|-------|---|---------------------------------|--|
| | Hence, the a | ppropriate term will | | (A) PQ | (B) RS | |
| | come in place of | of (?) will be SU. | | (C) QR | (D) OP | |
| 0.2 | | | Ans. | (C) | | |
| Q.3 | A, E, I, ?, Q | | Expla | ination- | | |
| | (A) O (C) U | (B) M (D) L | | +5 +5 | +5 | |
| Ans. | (C) O (B) | (D) L | | $B \rightarrow G \rightarrow L$ | →Q | |
| | nation- | | | $C \rightarrow H \rightarrow M$ | $I \rightarrow R$ | |
| | +4 +4 +4 | +4 | | Therefore, th | ne appropriate term that | |
| | $A \rightarrow E \rightarrow I \rightarrow$ | M→Q | | comes in place of (?) will be QR | | |
| | Hence, the app | ropriate term to come | Q.7 | AC, FH, KM, I | | |
| | in place of (?) v | vill be M. | Q.7 | (A) UX | (B) TV | |
| | | | | (A) UX (C) UW | (D) VW | |
| Q.4 | adcebedfc | fe? | Ans. | (C) 0 W (C) | | |
| | (A) h | (B) g | | ination- | | |
| | (C) f | (D) d | | | 15 15 | |
| Ans. | (B) | | | $A \rightarrow F \rightarrow K$ | $\rightarrow P \rightarrow U$ | |
| Expla | nation- | | | $C \xrightarrow{+5} H \xrightarrow{+5} N$ | $I \rightarrow R \rightarrow W$ | |
| | +1 | +1 | | Hence the a | ppropriate term to come | |
| | ã → | | | in place of (? | | |
| | +1 | +1 | | | | |
| | $\underline{d} \longrightarrow +1$ | $e \longrightarrow f$ | Q.8 | | ing questions, select the | |
| | c> | | | odd numb | | |
| | +1 | +1 | | alternatives. | | |
| | <u>e</u> → | f −−−→ g | | (A) 362 | (B) 145 | |
| | Hence, the app | propriate term coming | sh' | (C) 26 | (D) 625 | |
| | in place of (?) v | | Ans. | (D) | | |
| О Г | AAT, BBE, CCP, | - | Expla | ination- | | |
| Q.5 | (A) DDA | r (B) DDB | | • | number 625, all other | |
| | (C) DDC | (D) DDD | | | e one more than the | |
| Ans. | (C) DDC (A) | | | | are of certain natura | |
| | nation- | | | | e number 625 is a perfect | |
| | +1 +1 | +1 | | square numb | | |
| | $A \rightarrow B \rightarrow$ | C→D | | 362 = 19 × 19 | | |
| | $A \xrightarrow{+1} B \xrightarrow{+1}$ | $C \rightarrow D$ | | $145 = 12 \times 12$ | | |
| | T -15 -15 | | | 26 = 5 × 5 + 1 | L | |
| | | | | But, | | |
| | Hence, the app | ropriate term to come | | 625 = 25 × 25 |) | |
| | in place of (?) v | vill he DDA | | | | |

| | Practice | Questions | 7. | | N, 19T, ? Find the missing | | |
|----|--|-----------------------------------|---------|-------------|-------------------------------------|--|--|
| 1. | 4, 10, 22, 46 | , ? Find the missing | | term. | | | |
| | number. | | | (A) 26U | (B) 26A | | |
| | (A) 56 | (B) 66 | | (C) 26Z | (D) 25X | | |
| | (C) 76 | (D) 94 | 8. | abdbc_ | cdad_bcabd | | |
| 2. | 87, 90, 84, 88, | 81, ?, ? | | (A) cdaba | c (B) cdaabc | | |
| | (A) 86,78 | (B) 86,88 | | (C) adaba | c (D) dadabc | | |
| | (C) 86,88 | (D) 85,93 | | | | | |
| 3. | Which of the | Which of the following numbers is | | | 15, 30, 60, 120, ? Find the missing | | |
| | not correct in | | number. | | | | |
| | 3, 6, 10, 16, 21 | , 28 | | (A) 250 | (B) 245 | | |
| | (A) 10 | (B) 3 | | (C) 240 | (D) 260 | | |
| | (C) 16 | (D) 21 | 10. | 120, 60, | 30, 15, ? Find the missing | | |
| 4. | 2, 12, 36, 80, 150, ? Find the missing number. | | | number. | | | |
| | | | | (A) 7.5 | (B) 5.7 | | |
| | (A) 210 | (B) 258 | | (C) 3.0 | (D) 8.5 | | |
| | (C) 252 | (D) 194 | 120 | 60 | 30 15 (7.5) | | |
| 5. | Which of the | following numbers is | / | | | | |
| | | - | | ÷2 ÷ | $2 \div 2 \div 2 \div 2$ | | |
| | not suitable in the sequence? 19, 28, 39, 52, 67, 84, 102 | | 11. | 4, 10, ? 82 | 2, 244, 730 | | |
| | (A) 84 | (B) 102 | | (A) 218 | (B) 28 | | |
| | (C) 67 | (D) 52 | | (C) 24 | (D) 77 | | |
| | (C) 07 | (0) 32 | | | | | |
| 6. | Find the missi | Find the missing letter | | | | | |
| | (A) WYAC | (B) WXYA | | | | | |
| | (C) WXYZ | (D) WYZA | ash : | | | | |

Answer Key

| Directions - Find out the related words from the alternatives given below. | | | | | | | | |
|--|-----|------|-----|------|-----|-----|-----|--|
| Q.1 | (D) | Q.2 | (A) | Q.3 | (C) | Q.4 | (C) | |
| Q.5 | (B) | Q.6 | (A) | Q.7 | (B) | Q.8 | (A) | |
| Q.9 | (C) | Q.10 | (A) | Q.11 | (B) | | | |