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## “Score High with **Score-Up** PDF Series”

We **Dream Big Institution** Team have started a New Series “**Score- Up PDF**”. This will be like a one-stop solution for High Standard Practice Questions on all Topics. Here we have Given the **Reasoning Ability “Score-Up PDF” –Alphanumeric Series**, Candidates can download it now. Kindly share this to all your friends.

### What is an Alphanumeric Series?

As the name suggests, Alpha-numeric, a series which is formed by combining both alphabets and numbers is called an alphanumeric series. Questions from this topic are mostly asked in the preliminary phase of all Government exams.

*The questions from this topic are easy to solve, and candidates can expect at least 1-3 questions from this topic to be asked in the exam.*

### Tips & Tricks To Solve Alphanumeric Questions

There are a variety of types in which questions may be asked for the alphanumerical series. These include:

- ✓ **Missing Series:** Where a series of alphabets and numbers may be given a particular pattern and candidates may be asked to fill in the blank space with the required element
- ✓ **Alphabet-Number-Symbol:** These questions may also be asked in a format where a series with alphabets, number and different types of symbols (like &, \*, \$, etc.) may be given, and questions may be asked based on them
- ✓ **Only Alphabetic Series:** Series with either missing element or questions with sub-parts may be asked which comprise only English Alphabets and no numbers, set in a specific pattern
- ✓ **Only Numerical Series:** Series comprising only numbers, set in a specific pattern may be asked the exam. Questions based on this type may be asked in the form of rearrangement of numbers or digits with the number in ascending, descending or any other order.



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## Topic Name: Alphanumeric Series Score-Up PDF

**Q.1. W-144, ?, S-100, Q-81, O-64**

(A) U-121

(B) U-122

(C) V-122

(D) V-128

**Ans . A**

Solution

**Letters** : W  $\xrightarrow{-2}$  (U)  $\xrightarrow{-2}$  S  $\xrightarrow{-2}$  Q  $\xrightarrow{-2}$  O

**Numbers** : 144 ( $12^2$ )  $\longrightarrow$  (121) ( $11^2$ )  $\longrightarrow$  100 ( $10^2$ )  $\longrightarrow$  81 ( $9^2$ )  $\longrightarrow$  64 ( $8^2$ )

**Q.2. 2, A, 9, B, 6, C, 13, D, ?**

(A) 9

(B) 10

(C) 12

(D) 19

**Ans . B**



Solution

The given sequence is a combination of two series :

I. 2, 9, 6, 13, ?

and

II. A, B, C, D

The pattern in I is :  $2 \xrightarrow{+7} 9 \xrightarrow{-3} 6 \xrightarrow{+7} 13 \xrightarrow{-3} \textcircled{10}$

So, the missing term is 10.

Q.3. KMP, IP8, GS11, EV14, ?

(A) BX17

(B) BY17

(C) CY17

(D) CY18

(E) CZ17

Ans . C

Solution

**1st letter** :  $C \xrightarrow{+3} F \xrightarrow{+3} I \xrightarrow{+3} \textcircled{L}$

**Number** :  $4 (2^2) \longrightarrow 9 (3^2) \longrightarrow 16 (4^2) \longrightarrow \textcircled{25} (5^2)$

**3rd letter** :  $X \xrightarrow{-3} U \xrightarrow{-3} R \xrightarrow{-3} \textcircled{O}$

Q.4. C4X, F9U, 116R, ?

(A) K25P

(B) L25P



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(C) L250

(D) L27P

**Ans . C**

Solution

**1st letter** : C  $\xrightarrow{+3}$  F  $\xrightarrow{+3}$  I  $\xrightarrow{+3}$  (L)

**Number** : 4 ( $2^2$ )  $\longrightarrow$  9 ( $3^2$ )  $\longrightarrow$  16 ( $4^2$ )  $\longrightarrow$  (25) ( $5^2$ )

**3rd letter** : X  $\xrightarrow{-3}$  U  $\xrightarrow{-3}$  R  $\xrightarrow{-3}$  (O)

**Q.5. 2Z5, 7Y7, 14X9, 23W11, 34V13, ?**

(A) 27U24

(B) 45U15

(C) 47U15

(D) 47V14

**Ans . C**

Solution

**1st number** : 2  $\xrightarrow{+5}$  7  $\xrightarrow{+7}$  14  $\xrightarrow{+9}$  23  $\xrightarrow{+11}$  34  $\xrightarrow{+13}$  (47)

**Middle letter** : Z  $\xrightarrow{-1}$  Y  $\xrightarrow{-1}$  X  $\xrightarrow{-1}$  W  $\xrightarrow{-1}$  V  $\xrightarrow{-1}$  (U)

**3rd number** : 5  $\xrightarrow{+2}$  7  $\xrightarrow{+2}$  9  $\xrightarrow{+2}$  11  $\xrightarrow{+2}$  13  $\xrightarrow{+2}$  (15)

**Q.6. N5V, K7T, ?, E14P, B19N**

(A) H9R

(B) H10Q



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(C) H10R

(D) I10R

**Ans . C**

Solution

**1st letter** :  $N \xrightarrow{-3} K \xrightarrow{-3} \textcircled{H} \xrightarrow{-3} E \xrightarrow{-3} B$

**Middle letter** :  $5 \xrightarrow{+2} 7 \xrightarrow{+3} \textcircled{10} \xrightarrow{+4} 14 \xrightarrow{+5} 19$

**2nd letter** :  $V \xrightarrow{-2} T \xrightarrow{-2} \textcircled{R} \xrightarrow{-2} P \xrightarrow{-2} N$

**Q.7. Q1F, S2F, U6D, W21C ?**

(A) Y44B

(B) Y66B

(C) Y88B

(D) Z88B

**Ans . C**

Solution

**1st number** :  $2 \xrightarrow{\times 2} 4 \xrightarrow{\times 3} 12 \xrightarrow{\times 4} \textcircled{48}$

**Middle letter** :  $A \xrightarrow{+3} D \xrightarrow{+3} G \xrightarrow{+3} \textcircled{J}$

**3rd number** :  $11 \xrightarrow{+2} 13 \xrightarrow{+4} 17 \xrightarrow{+6} \textcircled{23}$

**Q.8. 2A11, 4D13, 12G17, ?**

(A) 36I19

(B) 36J21





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(C) 48J21

(D) 48J23

Ans . D

Solution

**1st number** :  $2 \xrightarrow{\times 2} 4 \xrightarrow{\times 3} 12 \xrightarrow{\times 4} \textcircled{48}$   
**Middle letter** :  $A \xrightarrow{+3} D \xrightarrow{+3} G \xrightarrow{+3} \textcircled{J}$   
**3rd number** :  $11 \xrightarrow{+2} 13 \xrightarrow{+4} 17 \xrightarrow{+6} \textcircled{23}$

Q.9. J2Z, K4X, 17V, ?, H16R, M22P

(A) I11T

(B) L11S

(C) L12T

(D) L12S

Ans . D

Solution

The first letters in odd numbered terms form series.  $J \xrightarrow{-1} I \xrightarrow{-1} H$  and in even numbered terms form series  $K \xrightarrow{+1} \textcircled{L} \xrightarrow{+1} M$ .

**Middle number** :  $2 \xrightarrow{+2} 4 \xrightarrow{+3} 7 \xrightarrow{+4} \textcircled{11} \xrightarrow{+5} 16 \xrightarrow{+6} 22$

**3rd letter** :  $Z \xrightarrow{-2} X \xrightarrow{-2} V \xrightarrow{-2} \textcircled{T} \xrightarrow{-2} R \xrightarrow{-2} P$

Q.10. Find the term which does not fit into the series:

(A) 5FU



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(B) 15LS

(C) 9IT

(D) 17OR

**Ans . B**

Solution

**1st number** :  $1 \xrightarrow{+4} 5 \xrightarrow{+4} 9 \xrightarrow{+4} \textcircled{13} \xrightarrow{+4} 17$

**2nd letter** :  $C \xrightarrow{+3} F \xrightarrow{+3} I \xrightarrow{+3} \textcircled{L} \xrightarrow{+3} O$

**3rd letter** :  $V \xrightarrow{-1} U \xrightarrow{-1} T \xrightarrow{-1} \textcircled{S} \xrightarrow{-1} R$

Thus, the term 15LS is wrong and must be replaced by 13LS.

