

RBI PHASE 1 RECAP

1ST JULY '18

REASONING – ALPHA NUMERIC SERIES

Alphanumeric series is a combination of alphabetic and numeric characters. In some cases, it may include upper and lowercase letters, punctuation marks, and symbols (such as @, &, and *,). This type of reasoning is a mixed bag of coding-decoding, series-based reasoning and finding position-based reasoning questions.

Points to note:

Let us understand the meaning of few key words that are generally used in such questions like "following, followed by, preceding, and preceded by".

Let us take two successive alphabets Y and Z. Here, Y is preceding Z and Z is preceded by Y. Also, Z is following Y and Y is followed by Z.

ALPHA NUMERIC SERIES

Q.1) Find the missing term:

J2Z, K4X, I7V, ____, H16R, F22P

- [a] G11T**
- [b] G11S**
- [c] L12S**
- [d] G11U**

Solution (a)

For the first alphabet we jump from one alphabet to the next alphabet and then to the alphabet right before the first jump.

The numbers move with a gap of 2, 3, 4

For the last alphabet count from Z leaving one alphabet in the count.

Hence, next pair should be G11T.

ALPHA NUMERIC SERIES

I.2) Study the following information carefully to answer the questions given below:

**S Q A 5 N % T 7 B 4 # J E \$ 2 T D * 1 8 H
3 U @ 9 F W & K**

Q.2) How many such consonants are there in the above arrangement, each of which is immediately followed by a vowel but not immediately preceded by a number?

- [a] one**
- [b] two**
- [c] three**
- [d] more than three**

Solution (b)

There are two instances, SQA and #JE.

ALPHA NUMERIC SERIES

I.3) Study the following information carefully to answer the questions given below:

**S Q A 5 N % T 7 B 4 # J E \$ 2 T D * 1 8 H
3 U @ 9 F W & K**

Q.3) How many such consonants are there in the above arrangement, each of which is either immediately preceded by a vowel or immediately followed by a symbol but not both?

- [a] none**
- [b] one**
- [c] two**
- [d] three**

Solution (d)

There are three instances like this, which are 5N%, TD*, FW&

ALPHA NUMERIC SERIES

I.4) Study the following information carefully to answer the questions given below:

**S Q A 5 N % T 7 B 4 # J E \$ 2 T D * 1 8 H
3 U @ 9 F W & K**

Q.4) which of the following is the seventh to the left of the fifteenth from the left end in the above arrangement?

- [a] H**
- [b] B**
- [c] I**
- [d] 7**

Solution (d)

The fifteenth from the left is '2' while the seventh to the left of 2 is '7' itself.

Q.5) The letters skipped between the adjacent letters is in the order of 1, 2, 3, 4, Which alternative follows this rule?

- [a] EFJNS**
- [b] EGJOS**
- [c] EGJNS**
- [d] EGJNT**

Solution (c)

EGJNS follows the skipping of 1, 2, 3 and 4 letters respectively.

ALPHA NUMERIC SERIES

Q.6) Find the missing term:

16D7, 18G10, 21K14, 25P19, ____

- [a] 30V20**
- [b] 30V25**
- [c] 30V24**
- [d] 29V25**

Solution (b)

There are three series in the sequence:

The numbers to the left of the letters- 16, 18, 21, 25 are increasing continuously by 1 more than the previous increase i.e., the series of increases in these numbers are 2, 3, 4 and the next number should be +5, thus $25 + 5 = 30$.

The letters DGKP form a series where 2, 3 and 4 letters are skipped every time. Hence, the next letter would be V.

Similarly, 7, 10, 14, 19 would give 25 as the next term.

Thus, the correct answer would be 30V25.

ALPHA NUMERIC SERIES

Q.7) Find the missing term:

BC ,6, EFG, 210, IJK, ____

[a] 1000

[b] 190

[c] 990

[d] 999

[e] none of these

Solution (c)

The pattern is:

$$BC = 2 \times 3 = 6$$

$$EFG = 5 \times 6 \times 7 = 210$$

$$IJK = 9 \times 10 \times 11 = 990 \text{ (ans.)}$$