

# SERIES COMPLETION

## Self – Evaluation Test

**Directions:** For Q. 1 and 2: Find the letter for the missing place.

1. BG, GC, HN, N ...  
(a) D (b) J  
(c) I (d) H  
(e) None of these
2. B, A, Z, D, C, Y, F, E....  
(a) W (b) X  
(c) U (d) G  
(e) None of these
3. Which number will complete the given series?  
4, 8, 12, 16, ?  
(a) 18 (b) 20  
(c) 22 (d) 24  
(e) None of these
4. Z, ?, T, ?, N, ?, H, ?, B  
(a) W, Q, K, E (b) W, R, K, E  
(c) X, Q, K, E (d) X, R, K, E  
(e) None of these
5. A, B, B, D, C, F, D, H, E, ?, ?  
(a) E, F (b) F, G  
(c) F, I (d) J, F  
(e) None of these
6. C, Z, F, X, I, V, L, T, O, ?, ?  
(a) O, P  
(b) P, Q  
(c) R, R  
(d) S, R  
(e) None of these

- 7.** GH, JL, NQ, SW, YD,?  
 (a) EJ (b) FJ  
 (c) EL (d) FL  
 (e) None of these
- 8.** ABD, DGK, HMS, MTB, SBL,?  
 (a) XKW (b) ZAB  
 (c) ZKU (d) ZKW  
 (e) None of these
- 9.** AZY, BUT, CXW, DWV,?  
 (a) EVA (b) EVU  
 (b) VEU (d) VUE  
 (e) None of these
- 10.** A, CD, GHI, ?, UVWXY  
 (a) LMNO (b) MNO  
 (c) MNOP (d) NOPQ  
 (e) None of these
- 11.** ADVENTURE, DVENTURE, DVENTURE, ?, VENTU  
 (a) DVENT (b) VENTURE  
 (c) VENTUR (d) DVENTU  
 (e) None of these
- 12.** \_\_op\_\_mo\_\_n\_\_\_\_pnmop\_\_\_\_  
 (a) mnpmon (b) mpnmop  
 (c) mnompn (d) mnpomn  
 (e) None of these
- 13.** a \_\_ be \_\_ a \_\_ bcda \_\_ ccd \_\_ bed \_\_  
 (a) abddbd (b) acbdbb  
 (c) adbbad (d) adbcad  
 (e) None of these
- 14.** 45, 54, 47, ?, 49, 56, 51, 57, 53  
 (a) 48 (b) 50  
 (c) 55 (d) All of these

(e) None of these

**15.** 13, 35, 57, 79, 911, ?

- (a) 1110 (b) 1112  
(c) 1113 (d) 1315  
(e) None of these

**16.** In the series 3, 9, 15, ..., what will be the 35<sup>st</sup> term?

- (a) 117 (b) 200  
(c) 207 (d) 229  
(e) None of these

**17.** Which term of the series 5, 10, 20, 40, ..... is 1280 ?

- (a) 10th (b) 9th  
(b) 8th (d) All of these  
(e) None of these

**18.** N5V, K7T, ?, E14P, B19N

- (a) H9R (b) H10Q  
(c) H10R (d) I10R  
(e) None of these

**Directions:** Which of the following does not fit in the mixed series given below?

**19.** G4T, J10R, M20P, P43N, S90L

- (a) J10R (b) S90L  
(c) M20P (d) G4T  
(e) None of these

**20.** B0R, G3U, E3P, J7S, H9N

- (a) E3P (b) J7S  
(c) H9N (d) G3U  
(e) None of these

## Answer – Key

1. C	2. B	3. B	4. A	5. D
6. C	7. D	8. D	9. B	10. C
11. C	12. A	13. C	14. C	15. C
16. C	17. B	18. C	19. A	20. B

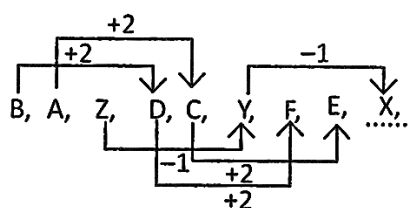
## Explanation

### 1. Explanation

Option (C) is correct. The first letter of first term and the second letter of the second term are in alphabetical order  
Hence the first letter of third term and the second letter of the fourth term should be in alphabetical order

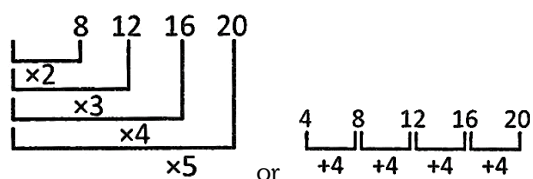
### 2. Explanation

Option (B) is correct. Third/ sixth and the ninth letters of the series are in reverse order of alphabet.



### 3. Explanation

Option (B) is correct. The series is made of numbers which are multiples of 4. Other explanation can be that the difference between the two consecutive numbers is 4.



**4. Explanation**

Option (A) is correct.

$Z \xrightarrow{-6} T \xrightarrow{-6} N \xrightarrow{-6} H \xrightarrow{-6} B$

**5. Explanation**

Option (D) is correct. The given sequence is a combination of two series:

I 1st, 3rd, 5th, 7th, 9th, 11th terms i.e. A, B, C, D, E, ?

II 2nd, 4th, 6th, 8th, 10th terms i.e. B, D, F, H, ?

Clearly, I consists of consecutive letters while II consists of alternate letters. So, the missing letter in I is F, while that in II is J. So, the missing terms i.e. 10th and 11th terms are J and F respectively.

**6. Explanation**

Option (C) is correct because. The given sequence is a combination of two series:

The pattern in I is:  $C \xrightarrow{+3} F \xrightarrow{+3} I \xrightarrow{+3} L \xrightarrow{+3} O \xrightarrow{+3} (R)$

The pattern in II is:  $Z \xrightarrow{-2} X \xrightarrow{-2} V \xrightarrow{-2} T \xrightarrow{-2} (R)$

**7. Explanation**

Option (D) is correct.

1st letter:  $G \xrightarrow{+3} J \xrightarrow{+4} N \xrightarrow{+5} S \xrightarrow{+6} Y \xrightarrow{+7} (F)$

2nd letter:  $H \xrightarrow{+4} L \xrightarrow{+5} Q \xrightarrow{+6} W \xrightarrow{+7} D \xrightarrow{+8} (L)$

**8. Explanation**

Option (D) is correct.

1st letter:  $A \xrightarrow{+3} D \xrightarrow{+4} H \xrightarrow{+5} M \xrightarrow{+6} S \xrightarrow{+7} (Z)$

2nd letter:  $B \xrightarrow{+5} G \xrightarrow{+6} M \xrightarrow{+7} T \xrightarrow{+8} B \xrightarrow{+9} (K)$

3rd letter:  $D \xrightarrow{+7} K \xrightarrow{+8} S \xrightarrow{+9} B \xrightarrow{+10} L \xrightarrow{+11} (W)$

**9. Explanation**

Option (B) is correct.

1st letter:  $A \xrightarrow{+1} B \xrightarrow{+1} C \xrightarrow{+1} D \xrightarrow{+1} \textcircled{E}$

**10. Explanation**

Option (C) is correct. Each term consists of consecutive letters in order. The number of letters in the terms goes on increasing by one at each step. Also, there is a gap of one letter between the last letter of the first term and the first letter of the second term; a gap of two letters between the last letter of the second term and the first letter of the third term; and so on. So, there should be a gap of three letters between the last letter of the third term and the first letter of the desired term.

**11. Explanation**

Option (C) is correct. One letter from the beginning and one from the end of a term are removed, one by one, in alternate steps.

**12. Explanation**

Option (A) is correct. The series is mopn / mopn/ mo pn/ mopn. Thus, the pattern 'mopn' is repeated.

**13. Explanation**

Option (C) is correct. The series is aa bcd / a bcd / a bcd / a bcdd.

**14. Explanation**

Option (C) is correct. The given sequence is a combination of two series:

I. 45, 47, 49, 51, 53 and II. 54, ?, 56, 57, clearly consists of consecutive natural numbers starting from 54, so missing number = 55.

**15. Explanation**

Option (C) is correct. The terms of the given series are numbers formed by joining together consecutive odd numbers in order i.e. 1 and 3, 3 and 5, 5 and 7, 7 and 9, 9 and 11,.... So missing term = number formed by joining 11 and 13 = 1113.

**16. Explanation**

Option (C) is correct. Clearly,  $3 + 6 = 9$ ,  $9 + 6 = 15$ , .....

So, the series is an A.P. in which  $a = 3$  and  $d = 6$ .  $n = 35$

$\therefore 35\text{th term} = a + (35 - 1)d = a + 34d = 3 + 34 \times 6 = 3 + 204 = 207$

**17. Explanation**

Option (B) is correct. Clearly,  $5 \times 2 = 10$ ,  $10 \times 2 = 20$ ,  $20 \times 2 = 40$ , .....

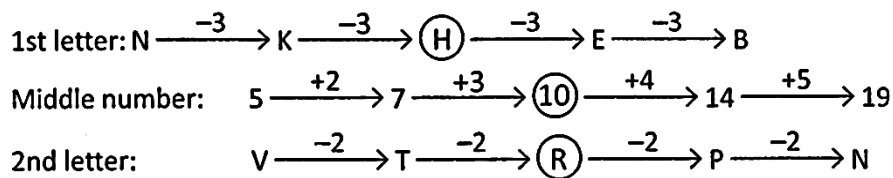
So, the series is a G.P. in which  $a = 5$  and  $r = 2$ .

Let 1280 be the  $n$ th term of the series.

$$\text{Then, } 5 \times 2^{n-1} = 1280 \Leftrightarrow 2^{n-1} = 256 = 2^8 \Leftrightarrow n-1 = 8 \Leftrightarrow n = 9.$$

**18. Explanation**

Option (C) is correct.



**19. Explanation**

Option (A) is correct. The letters on the left are moved 3 steps forward, the letters on the right are moved 2 steps backward and the sequence of numbers is  $(4 \times 2) + 1, (9 \times 2) + 2, (20 \times 2) + 3, (43 \times 2) + 4$ .

So, J9R should be in place of J10R.

**20. Explanation**

Option (B) is correct. The sequence of letters on the left is  $+5, -2$  (5 steps forward, 2 steps backward) which is repeated, the sequence of letters on the right is  $+3, 1-5$  (3 steps forward, 5 steps backward) which is repeated, and the numbers are the sum of two proceeding numbers. So J6S should be in place of J7S.