

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 35st 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

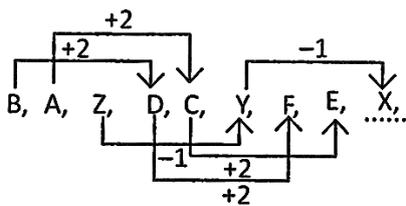
Explanation

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.

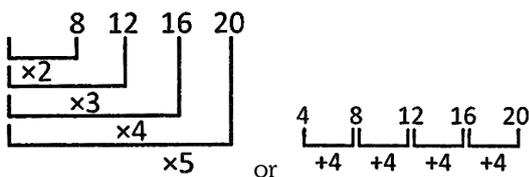
2. Explanation

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: $C \xrightarrow{+3} F \xrightarrow{+3} I \xrightarrow{+3} L \xrightarrow{+3} O \xrightarrow{+3} \textcircled{R}$

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

7. Explanation

Option (D) is correct.

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

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

8. Explanation

Option (D) is correct.

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

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

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

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 $\underline{m}o\underline{p}\underline{n} / \underline{m}o\underline{p}\underline{n} / \underline{m}o\underline{p}\underline{n} / \underline{m}o\underline{p}\underline{n}$. Thus, the pattern 'mopn' is repeated.

13. Explanation

Option (C) is correct. The series is $a\underline{a}b\underline{c}d / a\underline{b}c\underline{d} / a\underline{b}c\underline{c}d / a\underline{b}c\underline{d}d$.

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, $5 \times 2 = 10$, $10 \times 2 = 20$, $20 \times 2 = 40$,

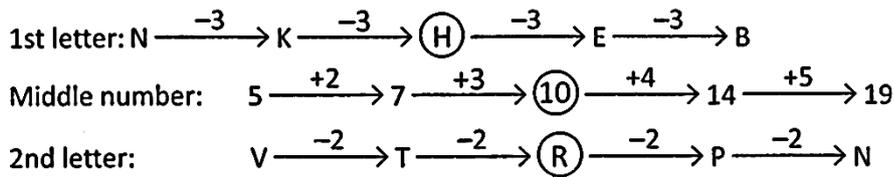
So, the series is a G.P. in which $a = 5$ and $r = 2$.

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 preceding numbers. So J6S should be in place of J7S.