

Series Completion

QUESTIONS

Direction (1 -13): In each of the questions given below, there is a series with one or more terms/ letters as missing each marked with '?'. Choose the correct alternative to replace the mark(s)'?'.

1. 20, 10, 2, -4, -8, ?
(a) -10 (b) -11 (c) -12 (d) -14
2. 1, 2, 6, ?, 88, 445
(a) 72 (b) 45 (c) 32 (d) 21
3. 1, 1, 5, 4, 11, 9, 19, 16, 29, ?, ?
(a) 25, 41 (b) 42, 25 (c) 19, 39 (d) 39, 19
4. $\frac{3}{7}, \frac{8}{17}, \frac{18}{37}, ?, \frac{78}{157}$
(a) $\frac{39}{67}$ (b) $\frac{54}{75}$ (c) $\frac{38}{77}$ (d) $\frac{37}{102}$
5. X, S, ?, L, J
(a) K (b) M (c) O (d) H
6. AZBYCX, DWEVFU, GTHSIR, JQKPLO, ?
(a) MMNNLO (b) MNMNLO (c) NMNMOL (d) MNNMOL
7. baa ? ba ? bb ? a ? b ? ab ? aab
(a) baabab (b) ababab (c) bababa (d) aaabbb
8. CE, FI, JL, MR QS, ?
(a) TV (b) TW (c) TU (d) UV
9. 3 N 4, 6 M 10, 9, L, 5, 12 K 11, 15 J 6, ?
(a) 18 I 12 (b) 18 I 10 (c) 18 I 8 (d) 18 I 6
10. Z10H, X15K, V20N, T25Q, ?
(a) S30T (b) R30T (c) T30S (d) T30R
11. R-216, Q-125, P-64, ?, N-8, M-1
(a) 0-40 (b) H-48 (c) 0-27 (d) P-55
12. 3, A, 5, B, ?, C, 17, D, 33, ?
(a) 10, F (b) 10, E (c) 9, F (d) 9, E
13. HISTOGRAM, ISTOGRAM, STOGRA, ?
(a) STO (b) TOG (c) OGR (d) SOR

Direction (14-22): In each of the following questions, there is a series. One term of the series is wrong. Find out the wrong term from four alternatives given below the series.

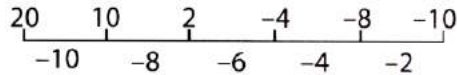
14. 7, 10, 15, 21, 31, 42, 55
(a) 10 (b) 21 (c) 31 (d) 42
15. 0, 6, 24, 60, 120, 216
(a) 0 (b) 120 (c) 216 (d) 24
16. m, n, p, s, v, b, h
(a) h (b) v (c) s (d) n
17. 1216, 608, 302, 152, 76
(a) 302 (b) 152 (c) 1216 (d) 76
18. 2, 5, 12, 20, 30, 42, 56
(a) 5 (b) 12 (c) 42 (d) 56
19. Y2, W4, U6, S8, Q10, 09
(a) Y2 (b) U6 (c) Q10 (d) 09

20. 4,10,22,31,40,49
(a) 10 (b) 22 (c) 40 (d) 49
21. $\frac{a}{0}, \frac{d}{3}, \frac{h}{7}, \frac{m}{12}, \frac{r}{17}$
(a) $\frac{d}{3}$ (b) $\frac{h}{7}$ (c) $\frac{m}{12}$ (d) $\frac{r}{17}$
22. $\frac{3}{\sqrt{3}}, \frac{5}{3}, \frac{7}{3\sqrt{3}}, 1, \frac{11}{6\sqrt{3}}$
(a) $\frac{5}{3}$ (b) $\frac{7}{3\sqrt{3}}$ (c) 1 (d) $\frac{11}{6\sqrt{3}}$
23. In the following letter series, some of the letters are missing which are given in that order as one of the options below it. Choose the correct option
b _ac _cc _cb _ab _ac
(a) cbaba (b) bbaac (c) abbbc (d) aabba
(SOF NSO 2016)
24. In the following letter series, some of the letters are missing which are given in that order as one of the options below it. Choose the correct option.
_ bcc _ ac _ aabb _ ab _ cc
(a) aabca (b) abaca (c) bacab (d) bcaca
(SOF IMO 2016)
25. Which of the following numbers will complete the given number series respectively?
97,86,99,82,101, _ ? , _ ?
(a) 88, 99 (b) 78, 103 (c) 121, 108 (d) 80, 103
(SOF NCO 2017)

ANSWER - KEY				
1. A	2. D	3. A	4. C	5. C
6. D	7. A	8. B	9. A	10. B
11. C	12. D	13. B	14. B	15. C
16. B	17. A	18. A	19. D	20. A
21. D	22. D	23. D	24. C	25. B

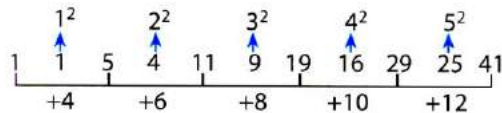
EXPLANATIONS

1. (a):

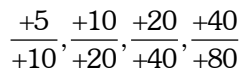


2. (d): $\times 1 + 1, \times 2 + 2, \times 3 + 3, \times 4 + 4, \times 5 + 5$

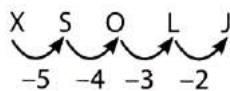
3. (a):



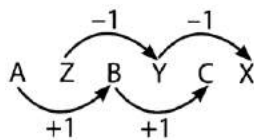
4. (c):



5. (c):



6. (d):



7. (a): baab/baab/baab/baab/baab

8. (b):



9. (a): Ist Characters: 3, 6, 9, 12, 15, 18



II nd Characters:

III rd Characters: +6, -5, +6, -5, + 6

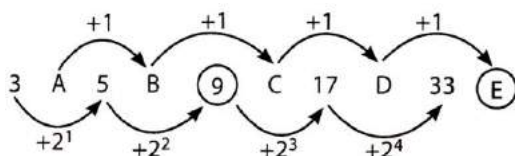
10. (b): 1st: -2, -2, -2, -2, -2

2nd: +5, +5, +5, +5, +5

3rd: +3, +3, +3, +3, +3

11. (c): 1st: -1, -1, -1, -1, -1 and 2nd: $6^3, 5^3, 4^3, 3^3, 2^3, 1^3$

12. (d):



13. (b): 1st and last letter are removed in each next step.

14. (b): +3, +5, +7, +9, +11, +13

15. (c): $1^3 - 1, 2^3 - 2, 3^3 - 3, 4^3 - 4, 5^3 - 5, 6^3 - 6$

16. (b): +1, +2, +3, +4, +5, +6

17. (a): $\div 2$

18. (a): $1^2 + 1, 2^2 + 2, 3^2 + 3, 4^2 + 4, 5^2 + 5, 6^2 + 6, 7^2 + 7$

19. (d) Numbering alphabetical series from Z to A i.e., Z1, Y2,.....

20. (a): +9, +9, +9, +9, +9

21. (d): $\frac{+3}{+3}, \frac{+4}{+4}, \frac{+5}{+5}, \dots$

22. (d): $\frac{+2}{\times\sqrt{3}}, \frac{+2}{\times\sqrt{3}}, \dots$

23. (d) Not Available

24. (c) Not Available

25. (b) Not Available