Series

Generally, two kinds of series are asked in the examination. One is series based on numbers and the other is the series based on the letters of English alphabet.

In questions based on series, some numbers or letters are arranged in a particular sequence. You are to decipher that particular sequence of numbers or letters and on the basis of that deciphered sequence, find out the next number of the series. Although there is no limit of logics which can be used to build a series but here are some important examples given which highlight the type of series asked in the examination.

Number Series

1. **Where the difference between two consecutive terms involve various arithmetic operations.**
   - **i.** 2, 5, 8, 11, ...
     The common difference is +3.
   - **ii.** 33, 25, 17, 9, ...
     The common difference is –8.
   - **iii.** 4, 4, 8, 24, ...
     Here the series is ×1, ×2, ×3, ...
   - **iv.** 52, 26, 13, ...
     The series is based on the rule that every number is divided by 2.
2. **Where the difference between the consecutive numbers are in some progression, i.e. AP or GP.**
   - **i.** 7, 18, 34, 55, ...
     Here the difference between the terms is +11, +16, +21, which are in AP.
   - **ii.** 8, 9, 12, 21, 48, 129, ...
     Here the difference between the terms is +1, +3, +9, +27, +81.
     Here these terms are in GP.
3. **Where series numbers differ by each other by perfect squares or cubes or they themselves are perfect squares or cubes.**
   - **i.** 5, 6, 10, 19, 35, ...
     The common difference between the terms of the series is
     $+(1)^2, +(2)^2, +(3)^2, +(4)^2$
   - **ii.** 7, 8, 16, 43, 107, ...
     The common difference between the terms of the series is

     $$\begin{matrix} 107 & 43 & 16 & 8 & 7 \\ -(4)^3, & -(3)^3, & -(2)^3, & -(1)^3 & \end{matrix}$$
   - **iii.** 1, 4, 9, 16, ...
     The terms of the series are
     $(1)^2, (2)^2, (3)^2, (4)^2$
   - **iv.** 27, 64, 125, 216, ...
     The terms of the series are
     $(3)^3, (4)^3, (5)^3, (6)^3$

Letter Series

The letter series are almost based on the similar patterns as in case of numbers, except the numbers are replaced by the letters in these series.

Important points

1. Letters in the alphabet are represented by following numbers in the series.

$A \to 1$	$B \to 2$	$C \to 3$
$D \to 4$	$E \to 5$	$F \to 6$
$G \to 7$	$H \to 8$	$I \to 9$
$J \to 10$	$K \to 11$	$L \to 12$
$M \to 13$	$N \to 14$	$O \to 15$
$P \to 16$	$Q \to 17$	$R \to 18$
$S \to 19$	$T \to 20$	$U \to 21$
$V \to 22$	$W \to 23$	$X \to 24$
$Y \to 25$	$Z \to 26$	

2. The numbering continues in the following manner:

   $A \xrightarrow{\text{to}} Z \xrightarrow{\text{to}} A$

   i.e. If we want to know the alphabet representing 28, then it will be B, as Z = 26, A = 27, B = 28 here.

Solved Examples

1. Which of the following letters would come in place of the question mark (?) in the given series?

C, F, I, L, O, ?

(a) P (b) Q

(c) R (d) S

Solution :

Here, each letter differs by three places in the forward direction. Therefore, next letter after O would be R. Hence, (c) is the answer.

2. Which of the following letters would come in place of the question mark (?), in the given series?

AD, EI, JO, PV, ?

(a) VD (b) WC

(c) WD (d) VE

Solution :

The first letter of subsequent groups have a difference of 4, 5 and 6 places respectively, whereas the second letter of the subsequent groups has a difference of 5, 6 and 7 places respectively. Therefore, on following the same pattern, we get 'WD' as the next term which would replace the question mark.

3. Find the term which would replace the question mark?

XYQ, ZAR, BCS, DET, ?

(a) GFU (b) FUG

(c) FZU (d) FGU

Solution :

Here first two terms of every group of letters are in continuation, like XY, ZA, BC, DE, and the third letter of each group is again in forward continuation, i.e. Q, R, S, T. Hence, the term replacing the question mark would be FGU. Hence, (d) is the answer.

Exercise

Number Series

Directions for questions 1 to 50: In this type of questions, usually a sequence of figures is given. The candidate should carefully read the sequence and find out the particular order followed by the numbers. And then, based on the deciphered pattern, mark the right option which should come in place of the question mark.

1. 94, 166, 258, ?, 4912
   (a) 3610 (b) 1644
   (c) 1026 (d) 516
2. 4, 7, 10, 11, 22, 17, 46, 25, ?
   (a) 58 (b) 69
   (c) 86 (d) 94
3. 14, 316, 536, 764, ?
   (a) 981 (b) 1048
   (c) 8110 (d) 9100
4. 11, 30, 22, 41, 33, 52, 44, ?
   (a) 55 (b) 63
   (c) 65 (d) 73
5. 7, 11, 16, 23, 25, 35, ?
   (a) 34 (b) 36
   (c) 38 (d) 42
6. 4, 16, 36, ?, 100, 144
   (a) 72 (b) 68
   (c) 81 (d) 64
7. 2, 5, 10, 17, ?
   (a) 34 (b) 24
   (c) 20 (d) 26
8. 3, 5, 7, 9, 11, 13, 15, 17, ?
   (a) 14 (b) 19
   (c) 15 (d) 21
9. 11, 13, 17, 19, ?, 25, 29
   (a) 21 (b) 23
   (c) 20 (d) 22
10. 2, 5, 7, 12, 15, 17, 22, ?
    (a) 25 (b) 26
    (c) 27 (d) 28
11. 4, 25, 64, 121, 196, ?
    (a) 384 (b) 256
    (c) 225 (d) 289
12. 0, 1, 8, 27, 64, ?
    (a) 91 (b) 125
    (c) 128 (d) 256
13. 5, 14, 27, 44, 65, ?
    (a) 88 (b) 90
    (c) 109 (d) 130
14. 0, 5, 22, 57, 116, ?
    (a) 205 (b) 216
    (c) 192 (d) 207

15. 1, 2, 5, 10, 17, ?
    (a) 21 (b) 19
    (c) 26 (d) 24
16. 2, 6, 12, 20, 30, ?
    (a) 44 (b) 40
    (c) 36 (d) 42
17. 512, 64, 16, 8, 8, 16, ?
    (a) 16 (b) 32
    (c) 40 (d) 64
18. 3, 4, 10, 33, 136, ?
    (a) 240 (b) 430
    (c) 685 (d) 820
19. 6, 6, 9, 18, 45, ?
    (a) 67.5 (b) 81
    (c) 54 (d) 135
20. 7, 24, 75, 228, ?
    (a) 684 (b) 686
    (c) 688 (d) None of these
21. 17, 17, 68, 612, ?
    (a) 9792 (b) 9700
    (c) 9820 (d) None of these
22. 1, 4, 12, 30, ?
    (a) 60 (b) 62
    (c) 64 (d) 68
23. 1, 2, 5, 10, 13, ?
    (a) 16 (b) 26
    (c) 39 (d) 29
24. 5, 15, 35, 75, 155, ?
    (a) 275 (b) 300
    (c) 310 (d) 315
25. 84, 64, 46, 30, ?
    (a) 14 (b) 16
    (c) 18 (d) 20
26. 17, 21, 29, 45, ?
    (a) 49 (b) 53
    (c) 61 (d) 77
27. 4, 7, 12, 19, ?
    (a) 25 (b) 26
    (c) 27 (d) 28
28. 2, 2, 4, 4, 6, 8, 8, ?
    (a) 10 (b) 12
    (c) 14 (d) 16
29. 3, 9, 36, 180, ?
    (a) 1080 (b) 900
    (c) 720 (d) None of these
30. 8, 8, 10, ?, 20, 28
    (a) 14 (b) 15
    (c) 16 (d) None of these
31. 1, 8, 9, 64, 25, 216, ?, ?
    (a) 49, 64 (b) 343, 64
    (c) 49, 512 (d) 343, 512
32. 4, 13, 53, 160, 641, ?
    (a) 1923 (b) 1282
    (c) 2564 (d) None of these
33. 81, 72, 63, ?, 45
    (a) 56 (b) 54
    (c) 52 (d) None of these
34. 7, 13, 21, ?, 43, 57
    (a) 23 (b) 27
    (c) 31 (d) 35
35. 3, 15, 35, ?, 99, 143
    (a) 63 (b) 77
    (c) 69 (d) 81
36. 0, 7, 26, ?, 124, 215
    (a) 51 (b) 37
    (c) 63 (d) 16
37. 3, 8, 35, 48, ?, 120
    (a) 72 (b) 64
    (c) 80 (d) 99
38. 3, 6, 24, 30, 63, 72, ?, 132
    (a) 58 (b) 42
    (c) 90 (d) 120
39. 2, 3, 5, 7, 11, ?, 17
    (a) 14 (b) 13
    (c) 10 (d) 12
40. 9, 11, 15, 23, ?
    (a) 25 (b) 21
    (c) 39 (d) 31
41. 4, 5, 6, 9, 8, 13, 10, ?
    (a) 11 (b) 12
    (c) 15 (d) 17
42. 8, 15, 28, 53, ?
    (a) 98 (b) 106
    (c) 100 (d) 102

43. 0, 6, 20, 42, ?
    (a) 64 (b) 72
    (c) 80 (d) 84
44. 16, 54, 195, ?
    (a) 780 (b) 802
    (c) 816 (d) 824
45. 1, 3, 7, 25, 103, ?
    (a) 526 (b) 521
    (c) 515 (d) 509
46. 4, 28, 7, 21, 3, 18, ?
    (a) 8 (b) 6
    (c) 21 (d) 15
47. 4, 11, 7, 14, 10, 17, ?
    (a) 24 (b) 13
    (c) 20 (d) 21
48. 4, 10, 22, 46, ?
    (a) 56 (b) 66
    (c) 76 (d) 94
49. 5, 9, 15, ?, 33, 45, 59
    (a) 24 (b) 22
    (c) 20 (d) 23
50. 5, 7, 8, 11, 13, 17, ?
    (a) 24 (b) 20
    (c) 18 (d) 26

Directions for questions 51 to 75: Find the choice that would replace the question mark in the question.

51. A, C, E, G, I, ?
    (a) H (b) J
    (c) K (d) L
52. Y, W, U, S, Q, ?
    (a) A (b) P
    (c) O (d) B
53. Z, X, U, Q, L, ?
    (a) F (b) K
    (c) G (d) E
54. A, H, N, S, W, ?
    (a) A (b) Y
    (c) B (d) Z
55. C, F, K, R, ?
    (a) G (b) A
    (c) B (d) D
56. X, A, D, G, J, ?
    (a) N (b) O
    (c) M (d) P
57. T, V, Z, B, F, ?
    (a) G (b) H
    (c) K (d) J
58. Z, X, U, S, P, ?
    (a) L (b) M
    (c) N (d) K
59. Q, V, Y, A, ?
    (a) B (b) C
    (c) D (d) F
60. H, L, P, T, X, ?
    (a) A (b) B
    (c) C (d) D
61. AZ, YB, CX, WD, ?
    (a) VE (b) UE
    (c) EU (d) EV
62. AG, LR, WC, HN, ?
    (a) SX (b) RY
    (c) SY (d) TX
63. LO, IL, FI, CF, ?
    (a) ZB (b) AB
    (c) ZC (d) ZO
64. AH, DL, GP, JT, ?
    (a) MY (b) NX
    (c) MX (d) NY
65. AF, EJ, IN, OT, ?
    (a) UX (b) UY
    (c) UN (d) UZ
66. TYU, NSO, HMI, ?
    (a) AGC (b) CGC
    (c) GBC (d) BGC
67. ZSD, YTC, XUB, WVA, ?
    (a) VZZ (b) ZVX
    (c) VWZ (d) VZX
68. CIR, GMV, KQZ, OUD, ?
    (a) YSH (b) SHR
    (c) SYH (d) SRY
69. KTE, SBM, AJU, IRC, ?
    (a) KZQ (b) ZRL
    (c) QZK (d) LYJ

70. ZYX, BAZ, DCB, FED, ?
    (a) GHF (b) FGH
    (c) FFG (d) HGF
71. RML, VIJ, ZFH, DDF, ?
    (a) HDC (b) CHI
    (c) HCD (d) DIC
72. HEJ, JGL, LIN, NKP, ?
    (a) MOR (b) PNS
    (c) PMR (d) NPT
73. YAL, TCP, OET, JGX, ?
    (a) EIC (b) FIA
    (c) EJD (d) EIB
74. LRX, DJP, VBH, NTZ, ?
    (a) ELS (b) FMR
    (c) GKS (d) FLR
75. ATL, BUM, CVN, DWO, ?
    (a) EZP (b) EYQ
    (c) EFP (d) EXP

Answer Key

1. (a)	**2.** (d)	**3.** (d)	**4.** (b)	**5.** (a)	**6.** (d)	**7.** (d)	**8.** (b)	**9.** (b)	**10.** (a)
11. (d)	**12.** (b)	**13.** (b)	**14.** (a)	**15.** (c)	**16.** (d)	**17.** (d)	**18.** (c)	**19.** (d)	**20** (d)
21. (a)	**22.** (d)	**23.** (b)	**24.** (d)	**25.** (b)	**26.** (d)	**27.** (d)	**28.** (d)	**29.** (a)	**30.** (a)
31. (c)	**32.** (d)	**33.** (b)	**34.** (c)	**35.** (a)	**36.** (c)	**37.** (d)	**38.** (d)	**39.** (b)	**40.** (c)
41. (d)	**42.** (d)	**43.** (b)	**44.** (d)	**45.** (b)	**46.** (b)	**47.** (b)	**48.** (d)	**49.** (d)	**50.** (b)
51. (c)	**52.** (c)	**53.** (a)	**54.** (d)	**55.** (b)	**56.** (c)	**57.** (b)	**58.** (c)	**59.** (c)	**60.** (b)
61. (d)	**62.** (c)	**63.** (c)	**64.** (c)	**65.** (d)	**66.** (d)	**67.** (c)	**68.** (c)	**69.** (c)	**70.** (d)
71. (c)	**72.** (c)	**73.** (d)	**74.** (d)	**75.** (d)					

Explanations

1. a 94, 166, 258, ?, 4912

Each number is in two parts. The first part is square of consecutive number 3, 4, 5, ...

$(3)^2$	$(4)^2$	$(5)^2$	$(6)^2$	$(7)^2$
9 4	16 6	25 8	36 10	49 12
4	6	8	10	12

The second part is the sequence of numbers with difference +2, like 4, 6, 8, ...

Hence, the required number is 3610.

2. d The first, third, fifth, . . . terms are in a series 4, 10, 22, 46,... It has the difference between the terms in GP —6, 12, 24, ...

The second, fourth, sixth, . . . terms are in a series 7, 11, 17, 25, ... It has common difference between terms in AP – 4, 6, 8, ...

Hence, next terms (an odd term)

= 46 + (24 × 2) = 46 + 48 = 94

3. d Each term in the series is in two parts. The first part is a series 1, 3, 5, 7, ... The second part is square of consecutive even integers 4, 16, 36, 64, ...

i.e. $(2)^2$, $(4)^2$, $(6)^2$, $(8)^2$, ...

Hence, next term is $9(10)^2 = 9100$.

4. b The odd term is an integral multiple of 11, i.e.11 × 1, 11 × 2, 11 × 3, ...

The even terms have a common difference of 11, i.e. 30, 41, 52, ...

Hence, next term = 63.

5. a The odd terms have a common difference of +9, i.e. 7, 16, 25, 34, ... The even terms have a constant difference of 12.

Hence, next term = 34

6. d Each term is the square of consecutive even integers, i.e. $(2)^2$, $(4)^2$, $(6)^2$, $(8)^2$, ...

Hence, missing term = 64

7. d The difference between each term is in AP, i.e.

3, 5, 7, 9, ...

Hence, next term = 17 + 9 = 26

8. b Each term has a common difference = +2

Hence, next term = 17 + 2 = 19

9. b Each odd term and even term has a common difference = +6.

Hence, next term = 17 + 6 = 23

10. a The difference between each term is in a sequence

3, 2, 5, 3, 2, 5, 3, ...

Hence, next term = 22 + 3 = 25

11. d Each of the terms is square of the AP series terms

2, 5, 8, 11, 14, 17, ...

Hence, the next term = $(17)^2 = 289$

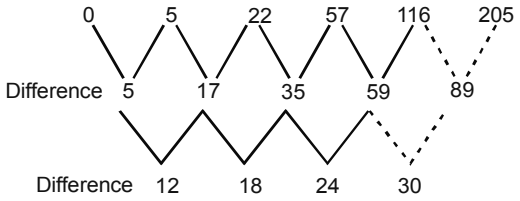
12. b Each term is cube of the each term of the integer number series 0, 1, 2, 3, 4, 5, ...

Hence, the next term = $(5)^3 = 125$

13. b The difference between each term of the series is in AP – 9, 13, 17, 21, 25, ...

Hence, next term = 65 + 25 = 90

14. a



Hence, the next term = 205

15. c The difference between each term of the series is the odd number series 1, 3, 5, 7, 9, ...

Hence, the next term = 17 + 9 = 26

16. d The difference between each term of the series is even number series: 4, 6, 8, 10, 12, ...

Hence, next term = 30 + 12 = 42

17. d The ratio of each consecutive term is in GP series:

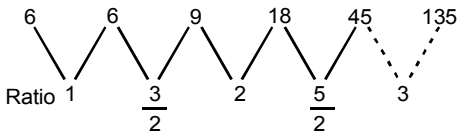
$\frac{1}{8}, \frac{1}{4}, \frac{1}{2}$, 1, 2, 4, ...

Hence, the next term = 16 × 4 = 64

18. c The terms of the series are, previous term × 1 + 1, previous term × 2 + 2, previous term × 3 + 3 and so on.

Hence, the next term will be 136 × 5 + 5 = 680 + 5 = 685

19. d



The ratio of consecutive terms is in AP with common difference $\frac{1}{2}$.

Hence, the next term = 135.

20. d Each term is equal to three times the previous term and 3 added to the product.

    Hence, next term = 228 × 3 + 3 = 684 + 3 = 687

21. a Each term is equal to previous term multiplied by square of each term of the natural number series 1, 2, 3, 4, ...

    Hence, the next term = 612 × $(4)^2$ = 612 × 16 = 9792

22. d Each term is equal to the previous term multiplied by 2 and 2, 4, 6, ... are added to the products respectively.

    Hence, the next term = 30 × 2 + 8 = 68.

23. b Odd positioned terms are multiplied by 2, and 3 is added to even positioned terms.

    Hence, the next term would be 13 × 2 = 26

24. d Each term is equal to the previous term multiplied by 2, and 5 added to the product. Therefore, the next term would be 155 × 2 + 5 = 310 + 5 = 315

25. b Successive difference between the terms is 20, 18, 16, 14. Therefore, the next term would be 30 – 14 = 16

26. d Successive difference between the terms is 2^2, 2^3, 2^4 and so on. Therefore, the next term would be

    45 + 2^5 = 45 + 32 = 77

27. d Successive difference between the terms is 3, 5, 7, 9 and so on. Therefore, the next term would be

    19 + 9 = 28

28. d The given series is a combination of two series, i.e. odd positioned numbers and even positioned numbers. Odd positioned numbers differ by 2, i.e. 2, 4, 6, 8. Even positioned numbers are multiplied by 2, i.e. 2 × 2 = 4, 4 × 2 = 8, 8 × 2 = 16

    Therefore, the next term would be 8 × 2 = 16

29. a Each term is multiplied by 3, 4, 5 and so on respectively. Therefore, the next term would be 180 × 6 = 1080

30. a Each term is previous term, increased by 0, 2, 4, 6, 8 and so on. Therefore, the next term after 10 would be 10 + 4 = 14

31. c Odd positioned digits are squares of 1, 3, 5 and so on, i.e. 1^2 = 1, 3^2 = 9, 5^2 = 25 and so on.

    Similarly, even positioned digits are cubes of 2, 4, 6, etc., i.e. 2^3 = 8, 4^3 = 64, 6^3 = 216.

    Therefore, the next term would be 7^2, i.e. 49 and 8^3 = 512 respectively.

32. d Each even positioned term is previous term multiplied by 3 and 1 added to the product, i.e.

    4 × 3 + 1, 53 × 3 + 1

    Similarly, each odd positioned term is previous term multiplied by 4 and 1 added to the product, i.e. 13 × 4 + 1, 160 × 4 +1

    Therefore, the next term would be

    641 × 3 + 1 = 1923 + 1 = 1924

33. b The common difference between the alternate terms is 18. Therefore, the next term is 72 – 18 = 54

34. c Successive difference between the two terms is

    6, 8, 10, 12, 14

    Therefore, the next term would be 21 + 10 = 31

35. a The difference between the two terms is

    12, 20, ?, ? and 44 respectively.

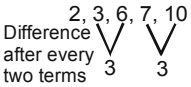
    The successive difference between the difference is constant at 8. Therefore, the term replacing the question mark must be the one which maintains the successive difference between the difference at constant 8. Hence, it would be 35 + 28 = 63

36. c Each term is a cube of 1, 2, 3, 4 and so on and 1 subtracted from it, i. e.

    $1^3 – 1$, $2^3 – 1$, $3^3 – 1$, $4^3 – 1$, $5^3 – 1$, $6^3 – 1$.

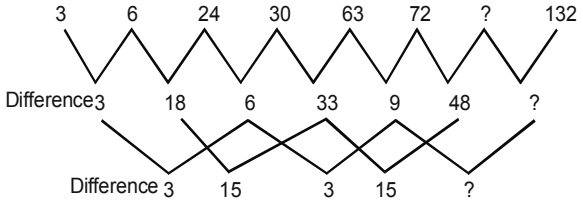
    Therefore, the term replacing the question mark would be $4^3 – 1$ = 64 – 1 = 63

37. d Each term is a square of 2, 3, 6, 7, 10, 11 and 1 subtracted from the outcome. And after every two terms a gap of three digits comes after that, i.e.

    Therefore, the next term would be $10^2 – 1$ = 99

38. d The difference between the terms is given below as

    Therefore, alternate difference between the difference is 3 and 15 respectively.

    Hence, the next term would be 72 + 48 = 120

39. b The series is made up of consecutive prime numbers. Therefore, the missing term is 13.

40. c Each term is equal to the previous term multiplied by 2 and 7 subtracted from the product, i.e.

$9 \times 2 - 7, 11 \times 2 - 7, 15 \times 2 - 7$

Therefore, the next term should be

$23 \times 2 - 7 = 46 - 7 = 39$

41. d The series is a combination of two series: odd positioned numbers and even positioned numbers. Odd positioned numbers have a common difference of 2. Similarly, even positioned numbers have a common difference of 4. Hence, the next term would be 13 + 4 = 17

42. d Each term is equal to the previous term multiplied by 2, and 1, 2 and 3 are subtracted from the products respectively.

Hence, the series is

$8 \times 2 - 1, 15 \times 2 - 2, 28 \times 2 - 3, 53 \times 2 - 4$

So the term replacing the question mark will be

$106 - 4 = 102$

43. b Each term is basically

$1^2 - 1, 3^2 - 3, 5^2 - 5, 7^2 - 7$ and so on . . .

Therefore, the next term would be

$9^2 - 9 = 81 - 9 = 72$

44. d The term of the series are previous term

x2 + 22, x3 + 33, x4 + 44 and so on . . .

Hence, the next term would be

$195 \times 4 + 44 = 780 + 44 = 824$

45. b The term of the series are

previous term x1 + 2, x2 + 1, x3 + 4, x4 + 3, x5 + 6 ... and so on.

Hence, the next term would be

$103 \times 5 + 6 = 515 + 6 = 521$

46. b Middle term is the product of the preceding and succeeding terms, i.e. $4 \times 7 = 28$, $7 \times 3 = 21$

Logically, the next term would be $3 \times 6 = 18$

Hence, 6 will replace the question mark.

47. b Odd positioned numbers and even positioned have a common difference of 3, i.e. 4, 7, 10 and 11, 14, 17. Therefore, the next term would be 10 + 3 = 13

48. d Each term is equal to the previous term multiplied by 2, and 2 is added to the product.

$4 \times 2 + 2, 10 \times 2 + 2, 22 \times 2 + 2$

Therefore, the next term would be

$46 \times 2 + 2 = 94$

49. d Successive difference between the terms is

4, 6, ?,10, 12, 14.

The constant difference between the difference is 2. Therefore, the next term is 15 + 8 = 23

50. b The odd positioned numbers have a progressive difference of 3, 5, 7. The even positioned numbers have a progressive difference of 4, 6, 8, etc.

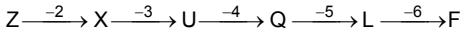
Therefore, the next term would be 13 + 7 = 20

Hint : The best way to crack these questions is by remembering the alphabetical positions and solving these questions through them.

51. c Each letter of the series differs by one letter. Hence, the next term is K.

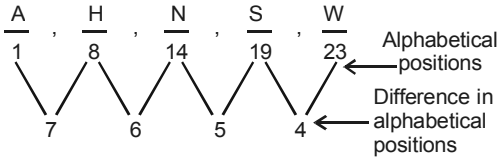
52. c Each letter of the series differs by one letter in the backward direction. Hence, the next term is O.

53. a The series is like



Hence, next term = F

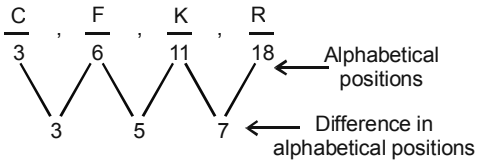
54. d



So the next term having alphabetical position is 26.

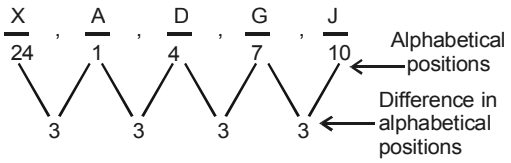
Hence, the next term is Z.

55. b



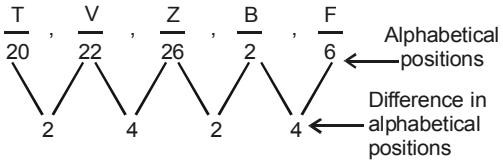
So the next term would be having alphabetical position 27 or the next term after Z, i.e. A.

56. c

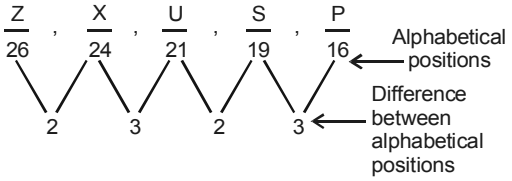


Hence, the next term would be M (having alphabetical position 13).

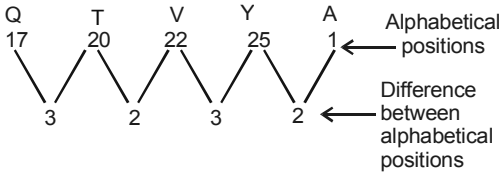
57. b



As the difference between alphabetical positions is alternate 2, 4, 2, 4. So the next term would be at a difference of 2 letters. The next term would be having alphabetical position 6 + 2 = 8 = H.

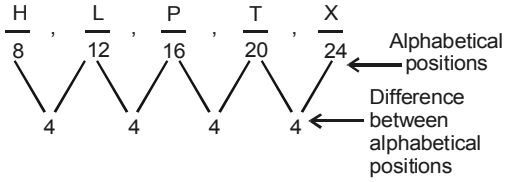
58. c 

As the difference between the alphabetical positions is alternating between 2 and 3. Therefore, the next term would be having alphabetical positions N = 14.

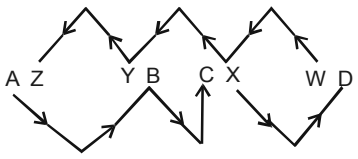
59. c 

As the difference between the terms is alternating between 3 and 2. Therefore, the next term would be

A + 3 = D.

60. b 

As the difference between alphabetical positions is constant, the next term would be having alphabetical positions 28, i.e. 26 + 2 = B

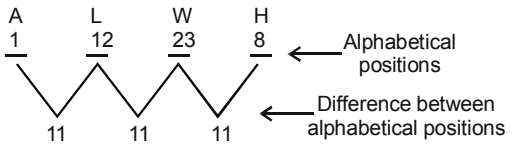
61. d 

The series is a combination of two series:

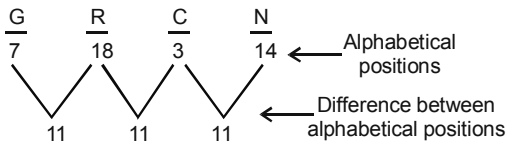
A, B, C, D and W, X, Y, Z

Therefore, the next term would be EV and not VE (because of the positioning).

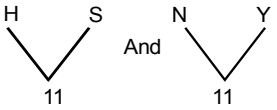
62. c The first letter of each group and the second letter of each group differs by 11 letters between them.



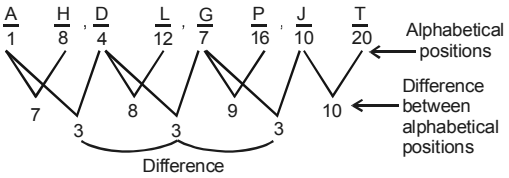
Similarly,



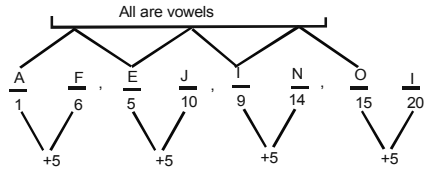
Therefore, the next group of letter would be SY.



63. c The letters of each group have two letters between them and the first letter of the first group is the last letters of the second group. Hence, the next group of letters would be having C at the last position. Hence, ZC would be the answer.

64. c 

As the difference between the different letters of each group is progressively increasing, i.e. 7, 8, 9, 10 and so on. And the first letter of each group is at a difference of 3 letters. Therefore, the next grouping would be MX. The second letter will be X as it will justify the increasing difference of 11 letters.

65. d 

The letters of each group differ by 5 letters and the first letters of each group is a vowel. Therefore, the next term would be UZ.

66. d The first and the third letters of each group are in continuation. The difference between the third and the second letter is of four letters. Therefore, the next choice would be BGC.

67. c The first letter of each group is in continuation in backward direction. The second letter of each group is in continuation in forward direction. The third letter of each group is in continuation in backward direction. Therefore, the next choice would VWZ.

68. c There is a continuous difference of 4 letters between the first letter of each group, second letter of each group and third letter of each group. So the next choice would be SYH.

69. c First letters of each group differ by 8 letters.

Second letters of each group differ by 8 letters.

Third letters of each group differ by 8 letters.

Therefore, the next choice would be QZK.

70. d First letters of each group differs by 2 letters.

Second letters of each group differs by 2 letters.

Third letters of each group differs by 2 letters.

Therefore, the next choice would be HGF.

71. c First letters of each group differ by 4 letters in the forward direction.

Second letters of each group differ by 4, 3 and 2 letters respectively in the backward direction.

Third letters of each group differ by 2 letters in the backward direction. Therefore, the next choice would be HCD.

72. c First letter of each group differs by 2 letters.

Second letter of each group differs by 2 letters.

Third letter of each group differs by 2 letters. All the letters differ in the forward direction.

Hence, the next choice would be PMR.

73. d First letter of each group differs by 5 letters in the backward direction.

Second letter of each group differs by 2 letters in the forward direction.

Third letter of each group differs by 4 letters in the forward direction.

Hence, the next choice would be EIB.

74. d First letter of each group differs by 8 letters in the backward direction.

Second letter of each group differs of 8 letters in the backward direction.

Third letter of each group differs by 8 letters in the backward direction.

Hence, the next choice would be FLR.

75. d The first letter of each group, the second letter of each group, and the third letter of each group are in continuation. Therefore, the next choice would be EXP.