NUMBER & LETTER SERIES

QUESTIONS & ANSWERS FOR GOVERNMENT EXAMS

EXACTLY 100 Questions | 10 Types Covered | PYQs + Expected | By Poly Notes Hub

SSC CGL | SSC CHSL | SSC GD | UPSC CSAT | RRB NTPC | IBPS PO | SBI PO | RRB Group D | RBI Grade B | LIC AAO

2024-2026 Edition | Every Question Has Answer + Complete Pattern Logic

About This Document

This document contains exactly 100 Number & Letter Series questions compiled from previous year government exam papers and high-probability expected patterns for 2025-2026. All 10 major types are covered: Arithmetic Difference, Geometric/Multiplication, Squares & Cubes, Mixed Operations, Wrong Term, Simple Letter, Letter-Group, Mixed Letter-Number, Missing Letter, and Expected Questions. Every question includes a complete pattern explanation so you understand the rule — not just the answer. Exams covered: SSC CGL, SSC CHSL, SSC GD, SSC MTS, UPSC CSAT, RRB NTPC, RRB ALP, RRB Group D, IBPS PO, IBPS Clerk, SBI PO, SBI Clerk, RBI Grade B, LIC AAO, NABARD, Delhi Police, and State PSC.

QUICK REFERENCE: SQUARES, CUBES & PRIMES

Perfect Squares (n^2) — 1 to 30

n	1	2	3	4	5	6	7	8	9	10
n^2	1	4	9	16	25	36	49	64	81	100
n	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**
n^2	121	144	169	196	225	256	289	324	361	400

Perfect Cubes (n^3) — 1 to 15

n	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
n^3	1	8	27	64	125	216	343	512	729	1000	1331	1728	2197	2744	3375

Prime Numbers up to 100: 2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47, 53, 59, 61, 67, 71, 73, 79, 83, 89, 97

EJOTY Trick (Alphabet Positions): E=5 J=10 O=15 T=20 Y=25 | A=1 M=13 N=14 Z=26

Types of Series Covered in This Document

Section	Type	Description	Qs	Key Exams
Section 1	Arithmetic Difference	Fixed or increasing differences (+d, +2d, +3d...)	10	SSC GD, CHSL, RRB NTPC
Section 2	Geometric/Multiplication	Multiply by fixed ratio or increasing multiplier	10	SSC CGL, IBPS PO, RRB NTPC
Section 3	Squares, Cubes & Powers	n^2, n^3, $n^2 \pm k$, $n^3 \pm k$ patterns	10	SSC CGL, IBPS PO, RBI Grade B
Section 4	Mixed/Combination Ops	$\times n + k$, Fibonacci, Primes, alternating ops	10	IBPS PO Mains, SBI PO, RBI B
Section 5	Wrong Term (Odd One Out)	Find the one term that breaks the pattern	10	IBPS PO, SBI PO, RBI Grade B
Section 6	Simple Letter Series	+n or -n shift in alphabet positions	10	SSC GD, MTS, RRB Group D
Section 7	Letter-Group/Cluster Series	2-4 letter clusters with per-position rules	10	SSC CGL, RRB NTPC, IBPS Clerk

Section 8	Mixed Letter-Number	Letters + numbers combined in one series	10	SSC CGL, CHSL, RRB NTPC
Section 9	Missing Letter (Fill Blank)	Identify blank letters in a sequence	10	SSC GD, MTS, RRB Group D
Section 10	Expected 2025-2026	High-probability patterns for upcoming exams	10	ALL major exams 2025-26
TOTAL	**All 10 Types**	**Complete coverage of Number & Letter Series**	**100**	

SECTION 1: ARITHMETIC DIFFERENCE SERIES

Terms increase or decrease by a fixed common difference (d), or by differences that themselves form an arithmetic/geometric pattern. This is the most basic and most frequently tested type in SSC GD, SSC CHSL, RRB NTPC, RRB Group D, and Delhi Police exams.

Key Tip: Step 1: Subtract consecutive terms to get differences. Step 2: Check if differences are constant (AP), increasing by same amount (second-order AP), or forming a pattern. The most common patterns: +d, +2d, +3d... (increasing diff) or differences of differences are constant.

Appeared in: SSC CGL, SSC CHSL, SSC GD, RRB NTPC, RRB Group D, Delhi Police, SSC MTS

Q1. 2, 6, 12, 20, 30, 42, ?
Answer: 56
Pattern/Logic: Differences: +4,+6,+8,+10,+12,+14. Differences increase by +2 each time. 42+14=56.

Q2. 1, 4, 9, 16, 25, 36, ?
Answer: 49
Pattern/Logic: Perfect squares: $1^2,2^2,3^2,4^2,5^2,6^2,7^2=49$. Next term = $7^2=49$.

Q3. 3, 7, 13, 21, 31, 43, ?
Answer: 57
Pattern/Logic: Differences: +4,+6,+8,+10,+12,+14. Next diff=14, so 43+14=57.

Q4. 10, 12, 15, 19, 24, 30, ?
Answer: 37
Pattern/Logic: Differences: +2,+3,+4,+5,+6,+7. Next diff=7, so 30+7=37.

Q5. 1, 3, 6, 10, 15, 21, ?
Answer: 28
Pattern/Logic: Triangular numbers. Differences: +2,+3,+4,+5,+6,+7. Next=21+7=28.

Q6. 5, 10, 17, 26, 37, 50, ?
Answer: 65
Pattern/Logic: Differences: +5,+7,+9,+11,+13,+15. Next diff=15, so 50+15=65.

Q7. 100, 92, 85, 79, 74, 70, ?
Answer: 67
Pattern/Logic: Differences: -8,-7,-6,-5,-4,-3. Next diff=-3, so 70-3=67.

Q8. 2, 3, 5, 8, 12, 17, 23, ?
Answer: 30
Pattern/Logic: Differences: +1,+2,+3,+4,+5,+6,+7. Next diff=7, so 23+7=30.

Q9. 0, 5, 14, 27, 44, 65, ?
Answer: 90
Pattern/Logic: Differences: +5,+9,+13,+17,+21,+25. Diffs increase by +4. Next diff=25, 65+25=90.

Q10. 7, 11, 15, 19, 23, 27, ?
Answer: 31

Pattern/Logic: Common difference d=+4. This is a pure AP. 27+4=31.

SECTION 2: GEOMETRIC & MULTIPLICATION SERIES

Each term is obtained by multiplying the previous term by a fixed ratio (r), OR by multiplying by different multipliers that form a pattern. Common in SSC CGL, IBPS PO, SBI PO, RRB NTPC, and UPSC CSAT.

Key Tip: Step 1: Divide each term by the previous one to find the ratio. If the ratio is constant = pure GP. If ratios are 2,3,4,5... = increasing multiplier series. Also check: is each term = previous × n + constant?

Appeared in: SSC CGL, IBPS PO, SBI PO, RRB NTPC, UPSC CSAT, RBI Grade B

Q11. 3, 6, 12, 24, 48, 96, ?

Answer: 192

Pattern/Logic: Each term ×2. Pure GP with r=2. 96×2=192.

Q12. 2, 6, 18, 54, 162, ?

Answer: 486

Pattern/Logic: Each term ×3. Pure GP with r=3. 162×3=486.

Q13. 1, 2, 6, 24, 120, 720, ?

Answer: 5040

Pattern/Logic: Each term ×n (factorial series): ×2,×3,×4,×5,×6,×7. 720×7=5040.

Q14. 5, 10, 20, 40, 80, ?

Answer: 160

Pattern/Logic: Each term ×2. GP with r=2. 80×2=160.

Q15. 4, 12, 36, 108, 324, ?

Answer: 972

Pattern/Logic: Each term ×3. GP with r=3. 324×3=972.

Q16. 1, 3, 9, 27, 81, 243, ?

Answer: 729

Pattern/Logic: Powers of 3: $3^0, 3^1, \ldots, 3^6 = 729$.

Q17. 2, 4, 12, 48, 240, ?

Answer: 1440

Pattern/Logic: Multipliers: ×2,×3,×4,×5,×6. 240×6=1440.

Q18. 7, 14, 28, 56, 112, ?

Answer: 224

Pattern/Logic: Each term ×2. GP. 112×2=224.

Q19. 1, 4, 16, 64, 256, ?

Answer: 1024

Pattern/Logic: Each term ×4. GP with r=4. 256×4=1024.

Q20. 6, 18, 54, 162, 486, ?

Answer: 1458

Pattern/Logic: Each term ×3. GP with r=3. 486×3=1458.

SECTION 3: SQUARES, CUBES & POWER SERIES

Terms are perfect squares (n^2), perfect cubes (n^3), or combinations like n^2+k, n^3-k. Very common in SSC CGL, IBPS PO, SBI PO Mains, and RBI Grade B exams.

Key Tip: Memorise squares up to 30^2 and cubes up to 15^3. Quickly check: are the terms near perfect squares or cubes? Try $n^2 \pm k$ or $n^3 \pm k$. Common patterns: n^2+1, n^2-n, n^3+n, n^2+n+1.

Appeared in: SSC CGL, IBPS PO Mains, SBI PO Mains, RBI Grade B, UPSC CSAT

Q21. 1, 8, 27, 64, 125, 216, ?

Answer: 343

Pattern/Logic: Perfect cubes: $1^3,2^3,...,7^3=343$.

Q22. 2, 9, 28, 65, 126, 217, ?

Answer: 344

Pattern/Logic: n^3+1: 1+1=2, 8+1=9, 27+1=28,... 343+1=344.

Q23. 0, 7, 26, 63, 124, 215, ?

Answer: 342

Pattern/Logic: n^3-1: 1-1=0, 8-1=7, 27-1=26,... 343-1=342.

Q24. 4, 9, 16, 25, 36, 49, ?

Answer: 64

Pattern/Logic: Perfect squares starting $2^2,3^2,...,8^2=64$.

Q25. 2, 5, 10, 17, 26, 37, ?

Answer: 50

Pattern/Logic: n^2+1: $1+1=2,4+1=5,9+1=10,...,49+1=50$.

Q26. 3, 12, 27, 48, 75, 108, ?

Answer: 147

Pattern/Logic: $3n^2$: $3\times1=3,3\times4=12,3\times9=27,...,3\times49=147$.

Q27. 1, 4, 9, 16, 25, ?

Answer: 36

Pattern/Logic: Perfect squares: $1^2,2^2,3^2,4^2,5^2,6^2=36$.

Q28. 8, 27, 64, 125, 216, ?

Answer: 343

Pattern/Logic: Perfect cubes: $2^3,3^3,4^3,5^3,6^3,7^3=343$.

Q29. 1, 5, 14, 30, 55, 91, ?

Answer: 140

Pattern/Logic: Sum of squares series: $1^2,1^2+2^2,1^2+2^2+3^2$... i.e., $n(n+1)(2n+1)/6$. n=7: $7\times8\times15/6=140$.

Q30. 2, 10, 30, 68, 130, 222, ?

Answer: 350

Pattern/Logic: n^3+n: $1+1=2,8+2=10,27+3=30,64+4=68,125+5=130,216+6=222,343+7=350$.

SECTION 4: MIXED / COMBINATION OPERATION SERIES

Operations alternate or combine: ×n+k, ÷n-k, ×n then +prime, etc. This is the trickiest number series type — common in IBPS PO Mains, SBI PO Mains, RBI Grade B, and SSC CGL Tier 2.

Key Tip: Try: ×n+k, ×n-k, alternating +/×, or two interleaved series. If no simple pattern: check if alternate terms form their own series (odd-positioned and even-positioned separately).

Appeared in: IBPS PO Mains, SBI PO Mains, RBI Grade B, SSC CGL Tier 2, LIC AAO

Q31. 5, 12, 39, 160, 805, ?

Answer: 4836

Pattern/Logic: ×2+2, ×3+3, ×4+4, ×5+5, ×6+6. 805×6+6=4836.

Q32. 3, 4, 8, 17, 33, ?

Answer: 58

Pattern/Logic: Differences: +1,+4,+9,+16,+25. Differences are $1^2,2^2,3^2,4^2,5^2$. Next diff=25, 33+25=58.

Q33. 2, 5, 11, 23, 47, 95, ?

Answer: 191

Pattern/Logic: ×2+1: 2×2+1=5, 5×2+1=11, 11×2+1=23,... 95×2+1=191.

Q34. 1, 2, 3, 5, 8, 13, 21, ?

Answer: 34

Pattern/Logic: Fibonacci: each term = sum of previous two. 13+21=34.

Q35. 6, 11, 21, 41, 81, 161, ?

Answer: 321

Pattern/Logic: ×2-1: 6×2-1=11, 11×2-1=21,... 161×2-1=321.

Q36. 4, 7, 16, 43, 124, ?

Answer: 367

Pattern/Logic: ×3-5, ×3+5 alternating? Try ×3-5:4×3-5=7, 7×3-5=16, 16×3-5=43, 43×3-5=124, 124×3-5=367.

Q37. 10, 12, 15, 19, 24, 30, 37, ?

Answer: 45

Pattern/Logic: Differences: +2,+3,+4,+5,+6,+7,+8. Next=37+8=45.

Q38. 1, 1, 2, 3, 5, 8, 13, 21, 34, ?

Answer: 55

Pattern/Logic: Fibonacci sequence. 21+34=55.

Q39. 2, 3, 5, 7, 11, 13, 17, 19, ?

Answer: 23

Pattern/Logic: Prime number series. Next prime after 19=23.

Q40. 7, 8, 18, 57, 232, ?

Answer: 1165

Pattern/Logic: ×1+1, ×2+2, ×3+3, ×4+4, ×5+5. 232×5+5=1165.

SECTION 5: WRONG TERM / ODD ONE OUT IN NUMBER SERIES

One term in the series does NOT follow the pattern. You must identify it. This is tested in IBPS PO, SBI PO, RRB PO Mains, RBI Grade B, and LIC AAO — often as the hardest question in the number-series set.

Key Tip: Find the pattern using the terms that 'look right'. Then verify EACH term against the pattern. The one that breaks the pattern = wrong term. Always check ALL terms, not just the middle ones.

Appeared in: IBPS PO, SBI PO, RRB PO Mains, RBI Grade B, LIC AAO, NABARD

Q41. Find the wrong term: 2, 4, 8, 16, 32, 64, 128, 256, 510

Answer: 510 (should be 512 = 2^9)

Pattern/Logic: GP with r=2. 256×2=512, not 510. Wrong term: 510.

Q42. Find the wrong term: 1, 4, 9, 16, 24, 36

Answer: 24 (should be 25 = 5^2)

Pattern/Logic: Perfect squares. 5^2=25, not 24. Wrong term: 24.

Q43. Find the wrong term: 3, 7, 15, 31, 60, 127

Answer: 60 (should be 63)

Pattern/Logic: ×2+1: 3×2+1=7, 7×2+1=15, 15×2+1=31, 31×2+1=63, 63×2+1=127. Wrong term: 60.

Q44. Find the wrong term: 5, 10, 20, 40, 80, 140, 320

Answer: 140 (should be 160)

Pattern/Logic: GP with r=2. 80×2=160, not 140. Wrong term: 140.

Q45. Find the wrong term: 1, 8, 27, 64, 126, 216

Answer: 126 (should be 125 = 5^3)

Pattern/Logic: Perfect cubes. 5^3=125, not 126. Wrong term: 126.

Q46. Find the wrong term: 2, 5, 10, 17, 28, 37

Answer: 28 (should be 26)
Pattern/Logic: n^2+1: 1+1=2,4+1=5,9+1=10,16+1=17,25+1=26,36+1=37. Wrong term: 28.

Q47. Find the wrong term: 6, 12, 21, 33, 46, 63
Answer: 46 (should be 48)
Pattern/Logic: Differences: +6,+9,+12,+15,+18. 33+15=48, not 46. Wrong term: 46.

Q48. Find the wrong term: 3, 6, 12, 24, 96, 192
Answer: 96 (should be 48)
Pattern/Logic: GP r=2: 3,6,12,24,48,96,192. But 24×2=48 should come before 96. Sequence given skips 48. Wrong term: 96.

Q49. Find the wrong term: 8, 27, 64, 125, 218, 343
Answer: 218 (should be 216 = 6^3)
Pattern/Logic: Perfect cubes: 2^3,3^3,...,6^3=216, not 218. Wrong term: 218.

Q50. Find the wrong term: 1, 3, 7, 15, 31, 64, 127
Answer: 64 (should be 63)
Pattern/Logic: ×2+1: 1×2+1=3, 3×2+1=7, 7×2+1=15, 15×2+1=31, 31×2+1=63, 63×2+1=127. Wrong term: 64.

SECTION 6: SIMPLE LETTER SERIES (Alphabet Position Shift)

Letters shift forward or backward by a fixed number of positions in the alphabet. This is the simplest letter series type — tested in every government exam from SSC GD to UPSC CSAT.

Key Tip: Write alphabet positions: A=1,B=2,...,Z=26. Calculate the gap between consecutive letters. If gap is constant = uniform shift. If gap increases = arithmetic progression of shifts. Use the EJOTY trick: E=5,J=10,O=15,T=20,Y=25.

Appeared in: SSC GD, SSC MTS, RRB Group D, SSC CHSL, Delhi Police, State PSC

Q51. A, C, E, G, I, ?
Answer: K
Pattern/Logic: Every alternate letter (skip 1). +2 each time. I+2=K.

Q52. B, D, F, H, J, ?
Answer: L
Pattern/Logic: +2 shift. J+2=L.

Q53. Z, X, V, T, R, ?
Answer: P
Pattern/Logic: -2 shift (backwards). R-2=P.

Q54. A, E, I, M, Q, ?
Answer: U
Pattern/Logic: +4 shift. Q+4=U.

Q55. C, F, I, L, O, ?
Answer: R
Pattern/Logic: +3 shift. O+3=R.

Q56. Y, W, U, S, Q, ?
Answer: O
Pattern/Logic: -2 shift. Q-2=O.

Q57. B, E, H, K, N, ?
Answer: Q
Pattern/Logic: +3 shift. N+3=Q.

Q58. A, B, D, G, K, P, ?
Answer: V

Pattern/Logic: Differences: +1,+2,+3,+4,+5,+6. P+6=V.

Q59. Z, U, P, K, F, ?

Answer: A

Pattern/Logic: -5 shift. F-5=A.

Q60. M, J, G, D, ?

Answer: A

Pattern/Logic: -3 shift. D-3=A.

SECTION 7: LETTER-GROUP / CLUSTER SERIES

Groups of 2-4 letters are given as terms. You must find the pattern among the groups — each letter in the cluster may shift independently, or the group itself follows a rule. Tested in SSC CGL, SSC CHSL, RRB NTPC, and banking prelims.

Key Tip: Analyse each position within the group separately. First letters of all groups form one series, second letters form another, and so on. Track each column independently.

Appeared in: SSC CGL, SSC CHSL, RRB NTPC, IBPS Clerk, RRB ALP, Delhi Police

Q61. AB, DE, GH, JK, ?

Answer: MN

Pattern/Logic: Groups skip 1 letter between them (C,F,I,L). First of each: A(1),D(4),G(7),J(10),M(13). +3 each group. Next: MN.

Q62. AZ, BY, CX, DW, ?

Answer: EV

Pattern/Logic: First letter +1 (A,B,C,D,E). Second letter -1 (Z,Y,X,W,V). Next: EV.

Q63. BEH, CFI, DGJ, ?

Answer: EHK

Pattern/Logic: Each letter in every group +1 from previous group. B+1=C+1=D+1=E; E+1=F+1=G+1=H; H+1=I+1=J+1=K. Next: EHK.

Q64. ACE, BDF, CEG, ?

Answer: DFH

Pattern/Logic: Each group shifts +1: A+1=B,C+1=D,E+1=F→BDF; B+1=C,D+1=E,F+1=G→CEG; C+1=D,E+1=F,G+1=H→DFH.

Q65. AEI, BFJ, CGK, ?

Answer: DHL

Pattern/Logic: First +1(A,B,C,D), Second +1(E,F,G,H), Third +1(I,J,K,L). Next: DHL.

Q66. BC, EF, HI, KL, ?

Answer: NO

Pattern/Logic: Groups: BC(2,3), EF(5,6), HI(8,9), KL(11,12), NO(14,15). Each group +3 from previous. Next: NO.

Q67. MN, LO, KP, JQ, ?

Answer: IR

Pattern/Logic: First letter -1(M,L,K,J,I). Second letter +1(N,O,P,Q,R). Next: IR.

Q68. ABD, BCE, CDF, ?

Answer: DEG

Pattern/Logic: Each letter in groups shifts +1 group-by-group. A+1=B,B+1=C,D+1=E→BCE; B+1=C,C+1=D,E+1=F→CDF; C+1=D,D+1=E,F+1=G→DEG.

Q69. ZYX, WVU, TSR, ?

Answer: QPO

Pattern/Logic: Groups of 3 consecutive letters in reverse, each group continuing backwards. ZYX, WVU (skip nothing), TSR, QPO.

Q70. BDF, CEG, DFH, ?

Answer: EGI

Pattern/Logic: First +1(B,C,D,E), Second +1(D,E,F,G), Third +1(F,G,H,I). Next: EGI.

SECTION 8: MIXED LETTER-NUMBER SERIES

Series combines both letters and numbers in a pattern. Letters may use alphabet positions, and numbers follow arithmetic/geometric rules. Very popular in SSC CGL, RRB NTPC, and State PSC exams.

Key Tip: Separate the letters and numbers. Analyse each component independently. Then recombine. Common patterns: letter position + arithmetic number, or letter = position number equivalent.

Appeared in: SSC CGL, SSC CHSL, RRB NTPC, Delhi Police, State PSC, SSC GD

Q71. A1, B3, C5, D7, ?

Answer: E9

Pattern/Logic: Letters +1(A,B,C,D,E). Numbers odd series +2(1,3,5,7,9). Next: E9.

Q72. A2, B4, C8, D16, ?

Answer: E32

Pattern/Logic: Letters +1. Numbers ×2. Next: E32.

Q73. Z1, Y2, X4, W8, ?

Answer: V16

Pattern/Logic: Letters -1(Z,Y,X,W,V). Numbers ×2(1,2,4,8,16). Next: V16.

Q74. A1Z, B4X, C9V, ?

Answer: D16T

Pattern/Logic: First: +1(A,B,C,D). Middle: 1^2,2^2,3^2,4^2=16. Last: -2(Z,X,V,T). Next: D16T.

Q75. 2B, 5E, 10J, 17Q, ?

Answer: 26Z

Pattern/Logic: Numbers: n^2+1 (1+1=2,4+1=5,9+1=10,16+1=17,25+1=26). Letters: positions 2,5,10,17,26 → B,E,J,Q,Z. Next: 26Z.

Q76. A3, C6, E12, G24, ?

Answer: I48

Pattern/Logic: Letters skip 1 (+2: A,C,E,G,I). Numbers ×2(3,6,12,24,48). Next: I48.

Q77. M1, N4, O9, P16, Q25, ?

Answer: R36

Pattern/Logic: Letters +1. Numbers perfect squares 1^2,2^2,...,6^2=36. Next: R36.

Q78. 1A, 4D, 9I, 16P, ?

Answer: 25Y

Pattern/Logic: Numbers: 1^2,2^2,3^2,4^2,5^2=25. Letters: positions 1,4,9,16,25=A,D,I,P,Y. Next: 25Y.

Q79. B2, D4, F8, H16, ?

Answer: J32

Pattern/Logic: Letters +2(B,D,F,H,J). Numbers ×2(2,4,8,16,32). Next: J32.

Q80. A1, C4, F9, J16, O25, ?

Answer: U36

Pattern/Logic: Letters: +2,+3,+4,+5,+6(A,C,F,J,O,U). Numbers: 1^2,2^2,3^2,4^2,5^2,6^2=36. Next: U36.

SECTION 9: MISSING LETTER IN PATTERN (Fill in the Blank)

A series of letters is given with one or more blanks. You must identify the repeating or progressing pattern and fill in the missing letter(s). Very common in SSC GD, SSC MTS, RRB Group D, Delhi Police, and State PSC exams.

Key Tip: Read the full sequence first. Look for repeating blocks (cyclic pattern), or a progressing pattern. Write out the full alphabet and mark which letters are used. Count positions of given letters to spot the rule.

Appeared in: SSC GD, SSC MTS, RRB Group D, Delhi Police Constable, State PSC, SSC CHSL

Q81. a b _ b a a _ b a b _ a

Answer: a, b, b

Pattern/Logic: Repeating group: a b b / a a b / a b b / a a b... Pattern: positions cycle. Blanks: a, b, b.

Q82. B _ D E _ G H _ J

Answer: C, F, I

Pattern/Logic: Alphabet in order: A B C D E F G H I J. Missing: C, F, I.

Q83. A _ C _ E _ G

Answer: B, D, F

Pattern/Logic: Alternate letters: A B C D E F G. Missing: B, D, F.

Q84. Z _ X _ V _ T

Answer: Y, W, U

Pattern/Logic: Backward by 2: Z,Y,X,W,V,U,T. Missing: Y, W, U.

Q85. _ bc _ ca _ ab _ bc

Answer: a, b, a (pattern: abc abc abc)

Pattern/Logic: Repeating block abc: a|bc|a|ca → aabcbcaabc... Pattern abc/bca/cab cyclic. Simpler: abc abc repeating: a_bc_ca_ab_bc: positions 1,4,7,10... are a,b,a,b. Missing: a,b,a.

Q86. A B _ D _ F G _ I

Answer: C, E, H

Pattern/Logic: Full alphabet sequence. C follows B, E follows D, H follows G. Missing: C, E, H.

Q87. P _ R _ T _ V

Answer: Q, S, U

Pattern/Logic: Alternate letters going forward from P. Missing: Q, S, U.

Q88. _ QR _ ST _ UV

Answer: P, R, T

Pattern/Logic: Groups: PQR, RST, TUV — each group shares one letter. Missing first letters: P, R(=3rd of PQR), T.

Q89. a _ c a b _ a b c _ b c

Answer: b, c, a

Pattern/Logic: Repeating block: abc. a_c=a[b]c, ab_=ab[c], _bc=[a]bc. Missing: b, c, a.

Q90. D G _ M P _ V

Answer: J, S

Pattern/Logic: +3 each time: D(4),G(7),J(10),M(13),P(16),S(19),V(22). Missing: J, S.

SECTION 10: IMPORTANT EXPECTED QUESTIONS (2025-2026 Exams)

Based on analysis of SSC CGL 2024, IBPS PO 2024, SBI PO 2024, RRB NTPC 2024, and UPSC CSAT 2024 trends, these question patterns carry the HIGHEST probability of appearing in the 2025-2026 exam cycle.

Key Tip: For new-pattern series in banking exams: always check ×n+n, ×n-n, n^2+prime, and two-interleaved-series patterns. For SSC/Railway: check second-order differences and $n^2 \pm k$. Practice 10 series daily for speed.

Appeared in: SSC CGL 2025, IBPS PO 2025, SBI PO 2025, RRB NTPC 2025, UPSC CSAT 2025, State PSC 2025-26

Q91. [SSC CGL 2025 Expected] 2, 6, 12, 20, 30, 42, 56, ?

Answer: 72

Pattern/Logic: Differences: +4,+6,+8,+10,+12,+14,+16. Next diff=16. 56+16=72. (Differences are even numbers increasing by 2.)

Q92. [IBPS PO 2025 Expected] 5, 6, 14, 45, 184, ?

Answer: 925

Pattern/Logic: ×1+1, ×2+2, ×3+3, ×4+4, ×5+5. 5×1+1=6, 6×2+2=14, 14×3+3=45, 45×4+4=184, 184×5+5=925.

Q93. [SBI PO 2025 Expected] 8, 9, 20, 63, 256, ?

Answer: 1285

Pattern/Logic: ×1+1, ×2+2, ×3+3, ×4+4, ×5+5: 8×1+1=9, 9×2+2=20, 20×3+3=63, 63×4+4=256, 256×5+5=1285.

Q94. [RRB NTPC 2025 Expected] 3, 5, 9, 17, 33, 65, ?

Answer: 129

Pattern/Logic: ×2-1: 3×2-1=5, 5×2-1=9, 9×2-1=17,... 65×2-1=129.

Q95. [UPSC CSAT 2025 Expected] 1, 2, 4, 7, 11, 16, 22, ?

Answer: 29

Pattern/Logic: Differences: +1,+2,+3,+4,+5,+6,+7. Next diff=7. 22+7=29.

Q96. [SSC CHSL 2025 Expected] Find wrong term: 4, 9, 20, 43, 90, 185, 372

Answer: 90 (should be 88)

Pattern/Logic: ×2+2, ×2+2... 4×2+2=10? Try: 4×2+1=9, 9×2+2=20, 20×2+3=43, 43×2+4=90, 90×2+5=185: checks out. 185×2+6=376? Not 372. Try: n×2+n-1: 4→9(×2+1), 9→20(×2+2), 20→43(×2+3), 43→90(×2+4), 90→185(×2+5), 185→372(×2+2=372). Hmm inconsistent. Pattern ×2+1,×2+2,...: 43×2+4=90✓, 90×2+5=185✓, 185×2+6=376≠372. Wrong: 372 (should be 376).

Q97. [Delhi Police 2025 Expected] AZ, CX, EV, GT, ?

Answer: IR

Pattern/Logic: First letters: A,C,E,G,I (+2 each). Second letters: Z,X,V,T,R (-2 each). Next: IR.

Q98. [RRB Group D 2025 Expected] A2, D5, G10, J17, M26, ?

Answer: P37

Pattern/Logic: Letters +3(A,D,G,J,M,P). Numbers: 2,5,10,17,26,37 (differences +3,+5,+7,+9,+11 — odd numbers). Next: P37.

Q99. [IBPS Clerk 2025 Expected] B4D, D9F, F16H, H25J, ?

Answer: J36L

Pattern/Logic: First +2(B,D,F,H,J). Middle: 2^2,3^2,4^2,5^2,6^2=36. Last +2(D,F,H,J,L). Next: J36L.

Q100. [State PSC 2025 Expected] 7, 13, 25, 49, 97, ?

Answer: 193

Pattern/Logic: ×2-1: 7×2-1=13, 13×2-1=25, 25×2-1=49, 49×2-1=97, 97×2-1=193.

Spot the Pattern | Verify Every Term | Score Full Marks!

All the best for your Government Exam Preparation!