LOGICAL SEQUENCE – 1

CLASS WORK

Directions for Q1 to Q7: Find the next term in the following series.

1. 11, 31, 69, 131, 223, ?
   (a) 257   (b) 351   (c) 349   (d) 231

2. 1, 3, 5, 17, 97, ?
   (a) 1729   (b) 1728   (c) 1625   (d) 1225

3. 841, 961, 1089, 1226, 1371, 1525, ?
   (a) 1681   (b) 1686   (c) 1687   (d) 1768

4. 1200, 480, 192, 76.8, 30.72, 12.288, ?
   (a) 4.9152   (b) 5.8192
   (c) 6.7112   (d) 7.6132

5. 6, 38, 193, 776, ?
   (a) 1101   (b) 2333   (c) 1535   (d) 1559

6. 4, 6, 12, 18, 30, 42, 60, 72, 102, ?
   (a) 107   (b) 108   (c) 109   (d) 110

7. 4, 10, 30, 100, ?
   (a) 256   (b) 354
   (c) 534   (d) None of these

Directions for Q8 to Q10: In the following number series, which number does not follow the rule of the series?

8. 5, 9, 18, 35, 59, 95, 144
   (a) 18   (b) 35   (c) 59   (d) 95

9. 18, 20, 44, 138, 561, 2180, 16872
   (a) 44   (b) 561   (c) 16872   (d) 138

10. 963, 927, 855, 749, 603, 423, 207
   (a) 603   (b) 207   (c) 749   (d) 927

Directions for Q11 to Q18: In each of the following questions, the alphabets group or mixed terms form a series. Find the missing alphabets, group or term out of given options.

11. B, C, E, G, ?, M
   (a) I   (b) K
   (c) J   (d) None of these

12. _bxyz/bx_zy/x_ _y_
   (a) baxyz   (b) aaabz   (c) abxyz   (d) abzyx

13. AC, FH, KM, PR, ?
   (a) UW   (b) VW   (c) UX   (d) TV

14. W, V, T, S, Q, P, N, M, ?, ?
   (a) I, J   (b) J, I   (c) J, K   (d) K, J

15. Z, Y, X, U, T, S, P, O, N, K, ?, ?
   (a) H, G   (b) H, I   (c) I, H   (d) J, I

16. ejo, tyd, ins, xch, ?
   (a) nrw   (b) mrw   (c) msx   (d) nsx

17. FLP, INS, LPV, ?
   (a) ORY   (b) UXZ   (c) VXY   (d) SVW

18. OTE, PUF, QVG, RWH, ?
   (a) SYJ   (b) TCI   (c) SXJ   (d) SXI

19. USPL is to KMPT as LJGC is to ………
   (a) BDGK   (b) CEHL   (c) GHIJ   (d) QSU

20. Choose the odd letter group.
   (a) KP   (b) MN   (c) HR   (d) GT

HOME ASSIGNMENT

1. Find the missing term in the given series.
   40, 54, 82, ?, 180, 250
   (a) 142   (b) 124   (c) 136
   (d) 163   (e) None of these

2. Find the wrong term in the given series.
   850, 600, 550, 500, 475, 462.5, 456.25
   (a) 600   (b) 550   (c) 500
   (d) 462.5   (e) None of these

3. Find the wrong term in the given series.
   142,119,100,83,65,59,52
   (a) 65   (b) 100   (c) 59
   (d) 119   (e) None of these

4. Find the missing term in the given series.
   16, 14, 24, 66, ?, 1270
   (a) 256   (b) 235   (c) 196
   (d) 125   (e) None of these

5. Find the next term in the given series.
   36, 31, 29, 24, 22, 17, 15, ?, ?
   (a) 13, 11   (b) 10, 5   (c) 13, 8
   (d) 12, 7   (e) 10, 8

Directions for Q6 to Q10: In each of the following questions, the alphabets group or mixed terms form a series. Find the missing alphabets, group or term out of given options.

6. _ _r_ttp_ _s_tp_ _
   (a) pqsqrsqr   (b) qpsqprqr
   (c) rqsqssqr   (d) None of these

7. AB, DEF, HIJK, ?, STUVWX
   (a) LMNO   (b) LMNOP
   (c) MNOPQ   (d) QRSTU

8. U, B, I, P, W, ?
   (a) D   (b) F   (c) Q   (d) Z

9. 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

10. Z, Y, X, U, T, S, P, O, N, K, ?, ?
   (a) H,G   (b) H, I   (c) I,H   (d) J, I

ANSWER KEY

1. (b)	2. (a)	3. (a)	4. (a)	5. (e)
6. (a)	7. (c)	8. (a)	9. (a)	10. (d)

SMART Training Resources India Pvt Ltd
H.O. 1/5, Sivaganga road, Nungambakkam, Chennai - 600 034. Ph: 044 - 28 28 28 29
www.smartindia.co.in

Page **1** of **1**