

Exercise

1

1. Complete the series : 13, 24, 46, 90, 178,

- (1) 354 (2) 266
(3) 364 (4) 344

DIRECTIONS (Qs 2) : In the following question, choose the missing term out of the given alternatives. Reference : A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

2. AZ, CX, FU,

- (1) IR (2) IV
(3) JQ (4) KP

DIRECTIONS (Qs. 3-4) : In each of the following questions, choose the missing term out of the given alternatives. Reference : A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

3. AZ, CX, FU,

- (1) IR (2) IV
(3) JQ (4) KP

4. 3F, 6G, 11I, 18L,

- (1) 21O (2) 25N
(3) 27P (4) 27Q

DIRECTIONS (Qs. 5-15) : In each of the following questions, a sequence or groups of letters and numbers is given with one term missing as shown by (?). Choose the missing term out of the given alternatives.

5. Find the missing term in the series

EJO, TYD, INS, XCH, ?

- (1) NRW (2) MRW
(3) MSX (4) NSX

6. J2Z, K4X, I7V, ?, H16R, M22P

- (1) I11T (2) L11S
(3) L12T (4) L11T

7. B Y C X D W E ?

- (1) S (3) T
(2) U (4) V

8. 3, 8, 35, 48, ?, 120

- (1) 64 (2) 72
(3) 80 (4) 99

9. B D G K ? V

- (1) N (2) P
(3) Q (4) M

10. B C D B D D B E D B F D B G ?

- (1) BD (2) BF
(3) HB (4) DB

11. A D E H I L M P Q T U ?

- (1) XY (2) YZ
(3) UV (4) VW

12. 3, 6, 18, 72, 360,

- (1) 1296 (2) 2160
(3) 2254 (4) 4329

13. 5, 9, 21, 37, 81,

- (1) 153 (2) 150
(3) 158 (4) 151

14. 1, 2, 10, 4, 3, 14, 9, 5,

- (1) 19 (2) 20
(3) 17 (4) 18

15. Find out the missing number.

240, ? 120, 40, 10, 2 -

- (1) 120 (2) 240
(3) 40 (4) 10

DIRECTIONS (Example 16-26) : In each example on some letters are missing shown by (...). The missing letters are given in proper sequence as one of the five alternatives given under each question. Find out the correct alternative.

16. ABBC.....AABCCA.....BBCC

- (1) BACB (2) ABBA
(3) CABA (4) ACBA

17. C.....BCCD....CCDBCDBCCBC

- (1) DBCD (3) DBDD
(2) BDAA (4) BDCC

18. BA.....B.....AABB.....A.....A.....BB

- (1) ABAAABB (2) BBAABB
(3) ABABBA (4) BAAABB

19. C.....BBA....CAB.....AC.....AB.....AC

- (1) ABBCC (2) ABCBC
(3) BABCC (4) ACBCB

20. What number should replace the question mark ?

4	2	9	8	6
3	8	7	9	5
8	1	7	?	1

- (1) 72431 (2) 81781
(3) 54296 (4) 39284

21. What number should replace the question mark ?

163	524	949	1898	?
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- (1) 10878 (2) 10899
(3) 10879 (4) 12879

22. 16, 33, 67, 135,

- (1) 251 (2) 259
(3) 271 (4) 289

23. 5, 9, 16, 29, 54,

- (1) 103 (2) 105
(3) 109 (4) None of these

24. Find the wrong letter in the below given series.

XSNICY

- (1) Y (2) C
(3) S (4) I

25. Fill in the blanks spaces in the series:

ab -- a - d c a cb - a c d -

- (1) d c b d b (2) c d b b d
(3) d a b d b (4) c d b d b

26. ZYYZR, ABVUM, ?, BCUTL, XWABT, CDTSK

- (1) YXZAS (2) ZYABT
(3) XWYZR (4) YXZAB

DIRECTIONS (Qs. 27-40) : Which of the following would come in place of the question mark ? In the following letter number series ?

27. Z, S, W, O, T, K, Q, G,,

- (1) N, C (2) N, D
(3) S, E (4) O, D

28. E D C H G F K J I N ?

- (1) L M (2) O P
(3) M O (4) M L

29. A L W B M X C N ?

- (1) V (2) W
(3) Y (4) X

30. 0, 2, 2, 3, 3, 5, 8, 4, 10, ?

- (1) 6 (2) 7
(3) 9 (4) 15

31. 2, 3, 10, 15, 26, 35, 50, 63, ?

- (1) 80 (2) 82
(3) 83 (4) 84

32. 5, 14, 27, 44, 65, ?

- (1) 88 (2) 90
(3) 109 (4) 130

33. 3, 5, 9, 17, 33, ?

- (1) 48 (2) 49
(3) 63 (4) 65

34. 1, 2, 7, 7, 13, 12, ?

- (1) 19 (2) 18
(3) 12 (4) 14

35. 5, 6, 10, 19, 35 ?

- (1) 50 (2) 55
(3) 60 (4) 71

36. 4, 6, 6, 15, 8, 28, 10, ?

- (1) 36 (2) 39
(3) 45 (4) 38

37. 1, 2, 9, ?, 65, 126

- (1) 28 (2) 82
(3) 99 (4) 108

38. P 3 C R 5 F T 8 I V 12 L ?

- (1) Y 17 O (2) X 17 M
(3) X 17 O (4) X 16 O

39. CFL EIK GLJ IOI ?

- (1) KRH (2) KRJ
(3) JRH (4) KOH

40. Z, L, X, J, V, H, T, F,,

- (1) R, D (2) R, E
(3) S, E (4) Q, D

DIRECTIONS (Qs. 41-42) : In each question, there is a series of letters which follow some definite order. Look at the letters and determine the order, then form the suggested responses find out one which gives the next two letters in the series in their correct order. Letter sequence A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

41. Y A W E T I P M - -

- (1) KQ (2) VM
(3) LK (4) JK

42. A C F J O U B J - -

- (1) JK (2) SC
(3) KL (4) CM

43. What number comes next ?

1, 1, 3, 6, 5, 11, 7, ?

- (1) 16 (2) 18
(2) 20 (4) 22

44. 1, 5, 11, 19, 29, ?

- (1) 45 (2) 39
(3) 41 (4) 47

45. Give the next number in this series :

220, 200, 100, 80, 40, 20, ?

- (1) 20 (2) 10
(3) 30 (4) 40

46. 3, 8, 18, 23, 33, (?), 48

- (1) 37 (2) 39
(3) 40 (4) 38

47. APZLT, CQYNR, ERXPP, GSWRN, ITVTL (?)

- (1) KUUVJ (2) KVUUJ
(3) JUVUR (4) KVUVJ

48. ACEGI, JLNPR, SUWYA, (?), KMOQS

- (1) LBGHI (2) ADIFH
(3) YWXAC (4) BDFHJ

49. 41, 31, ?, 17, 11, 5

- (1) 19 (2) 21
(3) 23 (4) 27

50. 8, 15, 28, 53, ?

- (1) 106 (2) 98
(3) 100 (4) 102

51. 5, 10, 13, 26, 29, 58, ?, 122

- (1) 60 (2) 61
(3) 111 (4) 91

52. 2, 3, 10, 15, 26, ?, 50

- (1) 32 (2) 33
(3) 34 (4) 35

53. 2, 4, ?, 16, 32

- (1) 6 (2) 10
(3) 8 (4) 12

54. 0, 7, 26, ?, 124, 215

- (1) 37 (2) 51
(3) 63 (4) 88

55. 1, 8, 9, ?, 25, 216, 49

- (1) 60 (2) 64
(3) 70 (4) 75

56. What should the term shown as ? be ?

336, 210, 120, ?, 24, 6, 0

- (1) 40 (2) 50
(3) 60 (4) 70

57. 2, 9, 28, ?, 126, 217

- (1) 36 (2) 42
(3) 56 (4) 65

58. 2, 12, 36, 80, 150, ?

- (1) 194 (2) 210
(3) 252 (4) 258

59. 25, 43, 44, 53, ?, 72

- (1) 55 (2) 63
(3) 65 (4) 71

60. 24, 6, 18, 9, 36, 9, 24, ?
 (1) 24 (2) 12
 (3) 8 (4) 6
 (5) 4
61. 1, 1, 2, 3, 5, 8, 13, ?
 (1) 20 (2) 21
 (3) 28 (4) 36
62. 7, 13, 27, 53, ?, 213
 (1) 106 (2) 107
 (3) 105 (4) 108
63. 24, 46, 68, ?
 (1) 801 (2) 89
 (3) 88 (4) 810
64. 6, 7, 15, 46, 185 ?
 (1) 226 (2) 230
 (3) 271 (4) 926
65. 5, 8, 14, 26, ?, 98
 (1) 62 (2) 50
 (3) 40 (4) 35
66. 1, 3, 6, 10, 15, ?, 28
 (1) 20 (2) 21
 (3) 22 (4) 24
67. 14, 12, 21, ?, 28, 24, 35, 30
 (1) 16 (2) 18
 (3) 20 (4) 22
68. 1, 8, 81, 16, ?, 1296
 (1) 16 (2) 25
 (3) 64 (4) 125
69. 1, 1, 2, 6, 24, 120, ?
 (1) 1440 (2) 720
 (3) 480 (4) 240
70. 5, 9, 17, 33, 65, ?
 (1) 100 (2) 111
 (3) 129 (4) 145
71. 3, 4, 5, 5, 12, 13, 7, 24, 25, 9, 41 ?
 (1) 16 (2) 24
 (3) 35 (4) 40
72. 0, 1, 3, 7, 15, ?, 63
 (1) 18 (2) 21
 (3) 31 (4) 41
73. 1, 4, 27, 256, ?
 (1) 5 (2) 25
 (3) 3125 (4) 625
74. Z T P K H F.
 Which alphabet is wrongly placed in the series.
 (1) Z (2) P
 (3) T (4) F
75. - ab a a a b a - a - a
 (1) a b a (2) abb
 (3) aab (4) b a b
76. 1, 1, 1, 2, 4, 8, 3 —, —
 (1) 6, 12 (2) 9, 18
 (3) 18, 27 (4) 9, 27
77. 2, 3, 10, 15, 26, —
 (1) 37 (2) 36
 (3) 35 (4) 48
78. 1, 1, 1, 2, 2, 4, 3, 8, 5, 16, 8 —
 (1) 24 (2) 32
 (3) 48 (4) 64
79. 2, 5, 10, 5, 8, 16, 11, 14, ?
 (1) 22 (2) 24
 (3) 26 (4) 28
80. 10, 17, 26, 37, 50,
 (1) 57 (2) 76
 (3) 95 (4) 65
81. 1, 3, 5, 7, 9,
 (1) 9 (2) 11
 (3) 8 (4) 19
82. 64, 32, 96, 48,
 (1) 72 (2) 108
 (3) 144 (4) 124
83. If the following series is written in the reverse order, which number will be fourth to the right of the seventh number from the left ?
 7, 3, 9, 7, 0, 3, 8, 4, 6, 2, 1, 0, 5, 11, 13
 (1) 0 (2) 5
 (3) 9 (4) 11
84. 8, 48, 16, 96, 32, ?
 (1) 192 (2) 150
 (3) 58 (4) 288
85. 2, 3, 6, 18, 108, ?
 (1) 1944 (2) 1658
 (3) 648 (4) 1008
86. 80, 63, 72, 72, 64, 81, 56, ?
 (1) 96 (2) 98
 (3) 89 (4) 90
87. 2, 4, 4, 8, 16, 16, 256, ?
 (1) 64 (2) 36
 (3) 180 (4) 32
88. 19, 4, 14, 7, 10, 11, 7, ?
 (1) 16 (2) 15
 (3) 17 (4) 23

Exercise

2

DIRECTIONS (Qs. 1-5) : Which of the following would come in place of the question mark. In the following letter number series ?

1. 1, 5, 7, 14, 18, 20, 40, 44, 46, ?
 (1) 48 (2) 50
 (3) 52 (4) 92
2. $\frac{1}{81}, \frac{1}{54}, \frac{1}{36}, \frac{1}{24}, ?$
3. 3, 5, 5, 19, 7, 41, 9, ?
 (1) 71 (2) 61
 (3) 72 (4) 69
4. Q 1 F S 2 E U 6 D W 21 C ?
 (1) Y 66 B (2) Y 88 B
 (3) Z 88 B (4) Y 44 B

5. A D E H I L ?
 (1) MP (2) MN
 (3) MO (4) MS

DIRECTIONS (Qs. 6-7) : In each question, there is a series of letters which follow some definite order. Look at the letters and determine the order, then form the suggested responses find out one which gives the next two letters in the series in their correct order. Letter sequence A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

6. MAZNLBYOKCXPJ--

- (1) QW (2) GH
 (3) DW (4) QJ

7. ZY ML XW LJ VU IH TS--

- (1) EF (2) SG
 (3) DW (4) QJ

8. a a b - a a a - b b a -

- (1) b b a (2) a b b
 (3) b a b (4) b b b

9. 24, 49, ?, 94, 15, 31, 59, 58

- (1) 51 (2) 63
 (3) 77 (4) 95

10. 4, 15, 16, ?, 36, 63, 64

- (1) 25 (2) 30
 (3) 32 (4) 35

11. 3, 6, 24, 30, 63, 72, ?, 132

- (1) 42 (2) 58
 (3) 90 (4) 120

12. 1, 1, 2, 4, 7, 11, 16, ?

- (1) 20 (2) 21
 (3) 22 (4) 23

13. 8, 24, 16, ?, 7, 14, 6, 18, 12, 5, 5, 10

- (1) 14 (2) 10
 (3) 7 (4) 5

14. 8, 1, 64, 27, ?, 125

- (1) 216 (2) 196
 (3) 169 (4) 81

15. 5, 12, 7, 15, 8, 18, 10, ?

- (1) 28 (2) 21
 (3) 11 (4) 10

16. 78, 79, 81, ?, 92, 103, 119

- (1) 88 (2) 85
 (3) 84 (4) 83

17. b - a - bab - ab - a

- (1) a b a b (2) b a b a
 (3) b a bb (4) a bb a

18. a - baa - baa - ba

- (1) aab (2) bab
 (3) bba (4) bbb

19. a - bbc - aab - caaa - bca -

- (1) cabad (2) bacba
 (3) bbaaa (4) aabba

20. - baa - ba -aab -

- (1) baba (2) bbaa
 (3) abbb (4) bbab

21. abc - c - c -ba - - bca

- (1) abacb (2) babac
 (3) baabc (4) bacba

22. - b aa - bbb - ab -

- (1) a b a b (2) a a b b
 (3) b a a b (4) b b a b

23. ab - -a - dcacb - acd -

- (1) dcdbd (2) cdbbd
 (3) dabdb (4) cdbdb

24. 336, 210, 120, —, 24, 6, 0

- (1) 40 (2) 50
 (3) 60 (4) 70

25. 1, 1, 2, 4, 3, 27, 4 —, —

- (1) 5, 64 (2) 64, 81
 (3) 64, 5 (4) 16, 5

26. m n o n o p q o p q r s — — — —

- (1) mnopq (2) oqrst
 (3) pqrst (4) qrstu

27. 3, 5, 9, 16, 22, 30, 41, ?

- (1) 49 (2) 50
 (3) 51 (4) 52

28. 2, 3, 6, 7, 10,

- (1) 11 (2) 13
 (3) 14 (4) 14

29. 8, 15, 24, 35,

- (1) 42 (2) 52
 (3) 48 (4) None of these

30. 1, 1, 4, 2, 9, 3, 16, 4,

- (1) 18 (2) 15
 (3) 25 (4) 32

31. 0, 3, 4, 7, 8,

- (1) 13 (2) 11
 (3) 14 (4) 15

32. 4, 9, 24, 69,

- (1) 165 (2) 193
 (3) 204 (4) None of these

33. Thirty six vehicles are parked in a parking lot in a single row. After the first car, there is one scooter. After the second car, there are two scooters. After the third car, there are three scooters and so on. Work out the number of scooters in the second half of the row.

- (1) 10 (2) 12
 (3) 15 (4) 17

34. 3, 8, 13, 24, 41, ?

- (1) 65 (2) 75
 (3) 70 (4) 80

35. 0, 8, 24, 48, 80, ?

- (1) 110 (2) 96
 (3) 120 (4) 140

36. What number comes next in the sequence below ?

3624, 4363, 3644, 4563, 3664, ?

- (1) 4763 (2) 3763
 (3) 3624 (4) 6763

37. What number should replace the question mark ?

27, 27, $30\frac{1}{4}$, $23\frac{3}{4}$, $33\frac{1}{2}$, $20\frac{1}{2}$, $36\frac{3}{4}$, $17\frac{1}{4}$, ?

- (1) 30 (2) 20
 (3) 40 (4) 10