

Directions (Questions 1 – 14): In each of the following questions, there is some relationship between the two terms to the left of :: and the same relationship holds between the terms to its right. Also, in each question, one of the four terms is missing. Find out this term.

1. Air: Atmosphere :: Water :?
 (A) Hydrosphere (B) Ecosphere
 (C) Biosphere (D) Stratosphere
2. Goat : Bleat :: Camel : ?
 (A) Bark (B) Howl (C) Bray (D) Grunt
3. Parliament: Great Britain :: Congress : ?
 (A) Japan (B) India (C) USA (D) Netherlands
4. Botany : Plants :: Entomology : ?
 (A) Birds (B) Animals (C) Insects (D) Snakes
5. Psychology : Mind :: Ornithology : ?
 (A) Sanskrit (B) Coin (C) Mammal (D) Bird
6. FJUL: BOQQ :: LHRX:?
 (A) BKPR (B) MNCC
 (C) HRY Y (D) HMNC
7. EJOT: VQLG :: BGLQ:?
 (A) AEIM (B) AFKP
 (C) YTOJ (D) ZUPK
8. EF : JK :: NO:?
 (A) DC (B) GI (C) ML (D) ST
9. LOVE : KMSA :: HATE : ?
 (A) GXQA (B) DRXD (C) ICWI (D) GYQA
10. MANTEL : NAMLET : VANITY : ?
 (a) NAVYIT (B) NAVYTI (C) NAVIYT (D) AVNTIY
11. TUESDAY : UUFSCAX :: SQUARES : ?
 (A) TQRUASE (B) TVQVASE (C) TQVAQER (D) TQVNARE
12. NAVEEN : 123441 :: VEENA : ?
 (A) 34412 (B) 34141 (C) 34421 (D) 24421
13. 63 : 9 :: ? : 14
 (A) 68 (B) 42 (C) 96 (D) 56
14. 432 : 24 :: 735 : ?
 (A) 105 (B) 25 (C) 73 (D) 81

Directions (Question 15 - 30): In each of the following questions, four items are given out of which three are alike in some manner while one is different. Choose the one which is different from the rest three.

15. (A) Fear (B) Anger (C) Sober (D) Love

16. (A) 7 (B) 15 (C) 31 (D) 57
17. (A) SVUT (B) FGHI (C) CFED (D) ILKJ
18. (A) ACDF (B) FGKL (C) HIVW (D) TUOP
19. (A) Ring (B) Tyre (C) Plate (D) Bangle
20. (A) Earth (B) Moon (C) Venus (D) Mars
21. (A) Brown (B) Green (C) Yellow (D) Violet
22. (A) Milk (B) Syrup (C) Tea (D) Cake
23. (A) Cotton (B) Nylon (C) Silk (D) Linen
24. (A) Camel (B) Horse (C) Bullock (D) Cat
25. (A) Cumin (B) Groundnut (C) Clove (D) Peppier
26. (A) Pencil (B) Toy (C) Pen (D) Scale
27. (A) 125 (B) 216 (C) 729 (D) 525
28. (A) Sweep (B) Wipe (C) Scrub (D) Stain
29. (A) Asia (B) Argentina (C) Africa (D) Australia
30. (A) Calendar (B) Year (C) Date (D) Month
31. In a certain code language, OPERATION is written as NODQBUJPO. How is INVISIBLE written in that code?
(A) JOWJTJCMF (B) JOWJTHAKD (C) HMUHTJCMF (D) HMUHTHAKD
32. In a certain code, PRODUCTIONS, is written as QQPCVEUHPMT. How is ORIENTATION written in that code?
(A) PQJDOVBSJNO (B) PQJDOUBUJPO (C) PSJFOVBSJNO (D) NSHFMVBSJNO
33. In a certain code, BASIC is written as DDULE. How is LEADER written in that code?
(A) NGCFG T (B) NHCGGU (C) OGD FHT (D) OHDGHU
34. In a certain language, SIGHT is written as FVTUG. How is REVEAL written in the same language?
(A) YNRIRE (B) DQH QMX (C) FSJSOZ (D) ERIRNY
35. In a certain code, INACTIVE is written as VITCANIE. How is COMPUTER written in the same code?
(A) PMOCRETU (B) ETUPMOCR (C) UTEPMOCR (D) MOCPETUR
36. In a certain code, MUNICIPALITY is written as INMUAPCIYT LI. How is JUDICIAL written in that code?
(A) UJDILACI (B) IDUJLACI (C) IDJULAIC (D) IDJULACI
37. If CIGARETTE is coded as GICERAETT, then DIRECTION will be coded
(A) RIDTCENOI (B) NORTECDII (C) NOIETCRID (D) IRDCTIONE

38. In a certain code, PAPER is written as SCTGW. How is MOTHER written in that code?
 (A) ORVLGW (B) PQVJGT (C) PQXJJT (D) PQXXKJV
39. In a certain code, SUBSTITUTION is written as ITSBUSNOITUT. How is DISTRIBUTION written?
 (A) IRTSIDNOITUB (B) IRTSIDNOIBUT (C) IRTDISNOITUB (D) IRTDISNOIUTB
40. In a certain code 'MISSIONS' is written as 'MSIISNOS'. How is 'ONLINE' written in that code?
 (A) OLNNIE (B) ONILEN (C) NOILEN (D) LNOENI
41. If in a certain coded language, MADRAS is coded as NBESBT, how is CHENNAI coded in that code?
 (A) DIFOOBJ (B) DIFMMBJ (C) DIFMMZK (D) none
42. If in a certain code, NATURE is coded as MASUQE, how is FAMINE coded in that code?
 (A) FBMJNF (B) EALIME (C) GANIOE (D) None
43. If DELHI is coded as 73541 and CALCUTTA as 82589662. How can CALICUT be coded?
 (A) 8251896 (B) 8251886 (C) 8251996 (D) 8325186
44. If PAINT is coded as 74128 and EXCEL is coded as 93596. Then how would you encode ACCEPT?
 (A) 455978 (B) 547978 (C) 554978 (D) 735961
45. If room is called bed, bed is called window, window is called flower and flower is called cooler, on what would a man sleep?
 (A) window (B) Bed (C) flower (D) None
46. If sand is called air, air is called plateau, plateau is called well, well is called island and island is called sky, then from where will a woman draw water?
 (A) well (B) Island (C) Sky (D) Air
47. If cloud is called white, white is called rain, rain is called green, green is called air, air is called blue and blue is called water, where will the birds fly?
 (A) Air (B) cloud (C) blue (D) Rain
48. If rain is water, water is road, road is cloud, cloud is air and air is sea, where do aeroplanes fly?
 (A) Road (B) Sea (C) Cloud (D) water
49. If bat is racket, racket is foot ball, foot ball is shuttle, shuttle is zudo and zudo is carrom, what is cricket played with?
 (A) Racket (B) Football (C) Bat (D) Shuttle
50. If DEER = 12215 and HIGH = 5645, how will you code HEEL ?
 (A) 2328 (B) 3449 (C) 4337 (D) 5229
51. Pointing to a boy in the photograph, Monika said, "His sister is the only daughter of my father". How is the boy related to Monika's father?
 (A) Nephew (B) Father (C) Son (D) Brother
52. Introducing Reena, Monika said, "She is the only daughter of my father's only daughter." How is Monika related to Reena ?
 (A) Aunt (B) Niece (C) Cousin (D) None of these

53. A woman introduces a man as the son of the brother of her mother. How is the man related to the woman?
 (A) Nephew (B) Son (C) Cousin (D) Nephew
54. Pointing to a man on the stage, Rashi said, "He is the brother of the daughter of the wife of my husband." How is the man on the stage related to Rashi ?
 (A) Son (B) Husband (C) Cousin (D) Nephew
55. A girl introduced a boy as the son of the daughter of the father of her uncle. The boy is girl's
 (A) Brother (B) Son (C) Uncle (D) Son-in-law
56. Arun said, "This girl is the wife of the grandson of my mother." Who is Arun to the girl ?
 (A) Father (B) Grandfather (C) Husband (D) Father-in-law
57. Pointing to a person, a man said to a woman, "His mother is the only daughter of your father." How was the woman related to the person?
 (A) Aunt (B) Mother (C) Wife (D) Daughter
58. Pointing to a girl, Kirti Said, "She is the daughter of my brother's wife". How is the girl related to Kirti?
 (A) Nephew (B) Niece (C) Sister-in-law (D) Mother
59. If $P \$ Q$ means P is the father of Q, $P \# Q$ means P is mother of Q, & $P * Q$ means P is the sister of Q. Then how is Q related to N if $N \# L \$ P * Q$.
 (A) Grandson (B) Grand daughter (C) Nephew (D) Data inadequate
60. A is the brother of B, C is the brother of A. To establish a relationship between B & C, which of the following information is required.
 I. Gender of A and C are same II. B is female
 (A) Only I is required (B) Only II is required
 (C) Both I and II are required (D) Neither required
61. Pointing towards a man in the photograph, lady said "the father of his brother is the only son of my mother". How is the man related to lady ?
 (A) Brother (B) Son
 (C) Cousin (D) Nephew
62. Pointing to a photograph Anjali said, "He is the son of the only son of my grandfather." How is the man in the photograph related to Anjali?
 (A) Brother (B) Uncle (C) Son (D) Data is inadequate
63. P is the mother of K; K is the sister of D; D is the father of J. How is P related to J?
 (A) Mother (B) Grandmother (C) Aunt (D) Data inadequate
64. Pointing to a lady, a man said, "She is the only daughter of my mother's husband's only son". How is the lady related to the man?
 (A) Sister (B) Aunt (C) Daughter (D) Niece

Directions (Questions 65 – 78): Find the missing number of the series .

65. 5, 11, 17,, 29, 35.
 (A) 19 (B) 21 (C) 23 (D) 25
66. 7, 17, 31, 49, 97, 127
 (A) 59 (B) 61 (C) 71 (D) 87
67. 1, 3, 6, 10, 15, 28, 36.
 (A) 20 (B) 21 (C) 23 (D) 24
68. 2, 5, 9,, 20, 27
 (A) 14 (B) 15 (C) 16 (D) 17
69. 0, 2, 8, 14, 24, 34,, 62.
 (A) 40 (B) 42 (C) 48 (D) 52
70. 4, 9, 20, 37, 60,....
 (A) 88 (B) 89 (C) 90 (D) 91
71. 1, 3, 3, 6, 7, 9, 12, 21
 (A) 10 (B) 11 (C) 12 (D) 13
72. 8, 10, 14, 18,, 34, 50, 66
 (A) 28 (B) 27 (C) 26 (D) 25
73. 19, 2, 38, 3, 114, 4,
 (A) 228 (B) 256 (C) 352 (D) 456
74. 4, 9, 17, 35,, 139.
 (A) 89 (B) 79 (C) 69 (D) 59
75. 7, 15, 32,, 138, 281.
 (A) 57 (B) 67 (C) 77 (D) 87
76. 8, 12, 10, 16, 12,
 (A) 20 (B) 18 (C) 16 (D) 14
77. 10, 2, 20, 3, 30, 4,
 (A) 40 (B) 50 (C) 60 (D) 70
78. 24, 6, 48, 12, 96, 24,
 (A) 191 (B) 192 (C) 193 (D) 194
79. If \times means $-$, $+$ means \div , $-$ means \times and \div means $+$, then $15 - 2 \div 900 + 90 \times 100 = ?$
 (A) 190 (B) 180 (C) 90 (D) -60
80. If A means $-$, B means \div , C means $+$ and D means \times , then $15 A 3 C 15 B 15 D 2 = ?$
 (A) 34 (B) 24 (C) 44 (D) 14
81. If A stands for $+$, B stands for $-$, C stands for \times , then what is the value of $(10 C 4) A(4 C 4) B 6 ?$
 (A) 60 (B) 56 (C) 50 (D) 20

82. If 'x' means 'minus', '+' means 'divided by', '÷' means 'plus' and '-' means 'multiplied by', then the value of expression $38 + 19 - 16 \times 17 \div 3$?
(a) 16 (b) 19 (c) 18 (d) 12
83. If 'B' means 'minus', 'D' means 'divided by', 'A' means 'plus' and 'C' means 'multiplied by', then the value of expression $100 D 20 C 3 A 10 B 5$?
(a) 15 (b) 25 (c) 20 (d) 30
84. If 'x' means 'minus', '-' means 'divided by', '÷' means 'plus' and '+' means 'multiplied by', then the value of expression $6 \div 36 - 4 \times 2 + 2$?
(a) 6 (b) 11 (c) 17 (d) 8
85. If '÷' means 'minus', 'x' means 'divided by', '-' means 'plus' and '+' means 'multiplied by', then the value of expression $20 - 8 \times 4 \div 3 + 2$?
(a) 16 (b) 20 (c) 18 (d) 31
86. If 'P' means 'minus', 'R' means 'divided by', 'S' means 'plus' and 'Q' means 'multiplied by', then the value of expression $14 Q 3 P 12 S 4 R 2$?
(a) 17 (b) 28 (c) 6 (d) 32
87. If '+' means 'minus', 'x' means 'divided by', '÷' means 'plus' and '-' means 'multiplied by', then the value of expression $252 \times 9 - 5 + 32 \div 92$?
(a) 95 (b) 168 (c) 192 (d) 200
88. If '+' means 'x', 'x' means '-', '÷' means '+' and '-' means '÷', then the value of expression $175 - 25 \div 5 + 20 \times 3 + 10$?
(a) 77 (b) 160 (c) 240 (d) 2370
89. If 'L' stands for '+', 'M' stands for '-', 'N' stands for 'x', 'P' stands for '÷', then $14 N 10 L 42 P 2 M 8 = ?$
(a) 153 (b) 216 (c) 248 (d) 251
90. If 'P' denotes '÷', 'Q' denotes 'x', 'R' denotes '+' and 'S' denotes '-', then $18 Q 12 P 4 R 5 S 6 = ?$
(a) 53 (b) 59 (c) 63 (d) 65

ANSWERS

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|-----|---|-----|---|-----|---|-----|---|
| 1. | A | 2. | D | 3. | C | 4. | C |
| 5. | D | 6. | D | 7. | C | 8. | D |
| 9. | D | 10. | B | 11. | C | 12. | A |
| 13. | A | 14. | A | 15. | C | 16. | D |
| 17. | B | 18. | A | 19. | C | 20. | B |
| 21. | A | 22. | D | 23. | B | 24. | D |
| 25. | B | 26. | B | 27. | D | 28. | D |
| 29. | B | 30. | A | 31. | C | 32. | A |
| 33. | B | 34. | D | 35. | B | 36. | D |
| 37. | A | 38. | C | 39. | A | 40. | A |
| 41. | A | 42. | B | 43. | A | 44. | A |
| 45. | A | 46. | B | 47. | C | 48. | B |
| 49. | A | 50. | D | 51. | C | 52. | D |
| 53. | C | 54. | A | 55. | A | 56. | D |
| 57. | B | 58. | B | 59. | D | 60. | B |
| 61. | D | 62. | D | 63. | B | 64. | C |
| 65. | C | 66. | C | 67. | B | 68. | A |
| 69. | C | 70. | B | 71. | D | 72. | C |
| 73. | D | 74. | C | 75. | B | 76. | A |
| 77. | A | 78. | B | 79. | D | 80. | D |
| 81. | C | 82. | C | 83. | C | 84. | B |
| 85. | A | 86. | D | 87. | D | 88. | A |
| 89. | A | 90. | A | | | | |