



**Direction (1-18):** In each of the following questions there is relationship between two given words on one side of (::) and one word is given another side (::) while another word found from the given alternative having the same relation with this words of the given pair. Choose the correct alternative

1. Lion : Roar :: Elephant :

- (A) Bark (B) Trumpet  
(C) Howl (D) Bray

1. B

Sol. Lion's sound is Roar  
Elephant's sound is Trumpet.

2. Hongkong : China :: Vatican :

- (A) France (B) Mexico  
(C) Canada (D) Rome

2. D

Sol. Former one is capital.

3. Poverty : Unemployment :: Anaemia

- (A) Malnutrition (B) illiteracy  
(C) Drought (D) Death

3. A

Sol. Unemployment leads to poverty  
Mulnutrition leads to anaemia

4. Pound : Yen :: Polo :

- (A) Hockey (B) Horse  
(C) Ride (D) Stick

4. A

Sol. Pound and Yen are currency.  
Polo and Hockey are sports.

5. India : New Delhi :: Japan :

- (A) Kyoto (B) Tokyo  
(C) OSLO (D) Cairo

5. B

Sol. Later one is capital.

6. India : Parliament :: USA :

- (A)Majlis (B) Congress  
(C) Diet (D) None of these

6. B

Sol. India have parliament, similarly USA have congress.

7. Hindu : Temple :: Sikh :

- (A) Golden temple (B) Gurudwara  
(C) Synagogue (D) Church

7. B

Sol. Hindu's holy place is temple.

Sikh's holy place is Gurudwara.

8. Amitabh Bachchan : Films :: Sakshi Malik :  
 (A) Badminton (B) Wrestling  
 (C) Business (D) Cricket

8. B  
 Sol. Amitabh Bachchan works in Film Industry.  
 Sakshi Malik is a wrestler.

9. Apple : Fruit :: Potato :  
 (A) Flower (B) Fruit  
 (C) Stem (D) Root

9. C  
 Sol. Apple is a fruit where as potato is a stem.

10. 2 : 7 :: 6 : ?  
 (A) 40 (B) 39  
 (C) 50 (D) 72

10. B  
 Sol.  $2^2 + 3 = 7$ ,  $6^2 + 3 = 39$

11. 18 : 30 :: 36 : ?  
 (A) 64 (B) 66  
 (C) 54 (D) 62

11. B  
 Sol.  $18 \times 2 - 6 = 30$ ,  $36 \times 2 - 6 = 66$

12. 42 : 56 :: 132 :  
 (A) 156 (B) 145  
 (C) 110 (D) 240

12. A  
 Sol.  $6 \times 7 : 7 \times 8$  Same way  $11 \times 12 : 12 \times 13$

13. 6 : 2 :: 8 :  
 (A) 1 (B) 3  
 (C) 7 (D) 5

13. B  
 Sol.  $\frac{6}{2} - 1 = 2$   
 $\Rightarrow \frac{8}{2} - 1 = 3$

14. 0.15 : 0.0015 :: 1.02 :  
 (A) 10.20 (B) 0.102  
 (C) 0.0102 (D) 0.001020

14. C  
 Sol.  $15 \div 100 = .0015$   
 $1.02 \div 100 = .0102$

15. 83 : 25 :: 39 :  
 (A) 25 (B) 16  
 (C) 49 (D) 36

15. D  
 Sol.  $(8 - 3)^2 = 25$   
 $(3 - 9)^2 = 36$

16. LO : PK :: IR :  
 (A) GT (B) SP  
 (C) MN (D) FU

16. C  
 Sol.  $\begin{matrix} -4 \\ \overline{LO : PK} \\ +4 \end{matrix} \Rightarrow \begin{matrix} -4 \\ \overline{IR : MN} \\ +4 \end{matrix}$

17. LIRG : GIRL :: BAML  
 (A) ALMB (B) LAMB  
 (C) MALB (D) LABM

17. B  
 Sol.  $\begin{matrix} LIRG \\ \diagdown \quad \diagup \\ GIRL \end{matrix} \Rightarrow \begin{matrix} BAML \\ \diagdown \quad \diagup \\ LAMB \end{matrix}$

18. MANGO : AGMNO :: ORANGE :  
 (A) AEGNRO (B) AENGOR  
 (C) AEGNOR (D) AENOGOR

18. C  
 Sol. Alphabetically arranged.

19. In a certain code language, '234' means 'spark and fire' 456 means 'spark is cause' and '258' means 'Fire is effect' which of the following numerals is used for 'Cause'  
 (A) 3 (B) 4  
 (C) 6 (D) 8

19. C  
 Sol. Spark and Fire  $\Rightarrow$  234 .....(I)  
 Spark is cause  $\Rightarrow$  456.....(II)  
 Fire is effect  $\Rightarrow$  258 .....(III)  
 (II) and (III)  $\Rightarrow$  is = 5  
 Now I and II cause = 6

20. If 'pen' is called 'table', 'table' is called 'fan' Fan is called 'chair' and chair is called 'roof' then on which of the following will a person sit?  
 (A) fan (B) chair  
 (C) roof (D) table

20. C

21. If OJAMYTIR is the code for MAJORITY which word is codes as SERPEVRE  
 (A) PERSEVER (B) PRESERVE  
 (C) PERSERVE (D) PRESEVER

21. B

Sol. 
$$\begin{array}{c|c} \text{O J A M} & \text{Y T I R} \\ \text{M A J O} & \text{R I T Y} \end{array} \Rightarrow \begin{array}{c|c} \text{S E R P} & \text{E V R E} \\ \text{P R E S} & \text{E R V E} \end{array}$$

22. In a certain code language CALM is written as XZON then MILD is written as  
 (A) NROW (B) NOWR  
 (C) ONWR (D) ONRW

22. A

Sol. 
$$\text{M I L D} \xrightarrow{\text{opposite letter}} \text{N R O W}$$

23. BCEL codes as EHLU then if GOLU is coded  
 (A) ULOG (B) JTSU  
 (C) JTSD (D) DSTJ

23. C

Sol. 
$$\begin{array}{c|c} \text{B C E L} & \text{G O L U} \\ +3 +5 +7 +9 & +3 +5 +7 +9 \\ \text{E H L U} & \text{J T S D} \end{array}$$

24. ENGLAND is written as 1234526 and FRANCE is written 785291, how is GREECE coded  
 (A) 381171 (B) 835545  
 (C) 832251 (D) 381191

24. D

Sol. Direct Coding

25. In a certain code language **OVER** is written as \$#%\* and **VIST** is written as "#+×\_" How is **SORE** written in that code  
 (A) +\$×@ (B) ×\*\$@  
 (C) @\$×\* (D) ×\$\*%

25. D

O V E R → \$ # % \*

V I S T → # + × \_

Sol. S O R E

V → #

O E R → \$ % \*

**Direction (26 – 30) :** Find the next term for question

26. 2, 3, 5, 7, 11, ?  
 (A) 13 (B) 17  
 (C) 18 (D) 19

26. A

Sol. Prime number is 13

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27. 2, 3, 5, 8, 13, ?  
(A) 25 (B) 27  
(C) 30 (D) 21

27. D  
Sol.  $2 + 3 = 5, 3 + 5 = 8, 8 + 13 = 21$

28. -5, 6, 28, 61, ?  
(A) 94 (B) 105  
(C) 61 (D) 102

28. B  
Sol. +11, +22, +33

29. 1, 2, 6, 21, 88, ?  
(A) 444 (B) 100  
(C) 445 (D) 446

29. C  
Sol.  $\times 1 + 1, \times 2 + 2, \times 3 + 3, \times 4 + 4$

30. 2, 5, 10, 17, 26, ?  
(A) 35 (B) 36  
(C) 37 (D) 50

30. C  
Sol.  $1^2 + 1, 2^2 + 1, 3^2 + 1, \dots$

**Direction (31 – 33):** Find missing term.

31. abc\_bcabc\_bc\_\_c  
(A) babc (B) aaab  
(C) baaa (D) abaa

31. B  
Sol. abc abc abc

32. \_tu\_rt\_s\_\_usrtu\_  
(A) rtusru (B) rsutrr  
(C) rsurtr (D) rsurts

32. D  
Sol. rtus rtus rtus

33. \_a\_b\_abaa\_bab\_abba  
(A) aaabb (B) ababb  
(C) babab (D) babba

33. D  
Sol. b aa|bba|baa|bba

34. If  $5\#3=124, 4\#4=255, 3\#5=80$  then  $6\#3=?$   
(A) 210 (B) 215  
(C) 217 (D) 300

34. B  
Sol.  $5 \# 3 = 124$   
 $5^3 - 1 = 124$   
 $6^3 - 1 = 215$
35.  $10\$5=50, 8\$4=32, 7\$3=?$   
(A) 12 (B) 21  
(C) 23 (D) 125
35. B  
Sol.  $10 \$ 5 = 50$   
 $11y \quad 7 \$ 3 \Rightarrow 7 \times 3 = 21$
36.  $5*3 = 14, 9*8 = 71, 6*7 = 41, 7*8$  is equal to  
(A) 54 (B) 55  
(C) 57 (D) 56
36. B  
Sol.  $5 \times 3 \Rightarrow 5 \times 3 - 1 = 14$   
 $11y \quad 7 \times 8 - 1 = 55$
37.  $10 \times 12 = 99, 18 \times 15 = 238, 25 \times 11 = ?$   
(A) 276 (B) 300  
(C) 240 (D) 275
37. C  
Sol.  $10 \times 12 = 9 \times 11 = 99$   
 $18 \times 15 = 17 \times 14 = 238$   
 $25 \times 11 = 240$
38.  $11(160)14, 13(201)15, 24(630)26$  then  $45(a)18$  find the value of 'a'  
(A) 813 (B) 900  
(C) 810 (D) 816
38. D  
Sol.  $11 \times 14 + 6 = 816$
39. Which one of given interchange in signs would make given equation correct  $10 - 2 + 9 \times 2 \div 4 = 19$   
(A) – and  $\div$  (B) – and +  
(C)  $\div$  and  $\times$  (D)  $\times$  and  $\div$
39. A  
Sol. Check by option
40. If A stands for +, B stand for – ,C stands for  $\times$ , then what is the value of  $(9C3)A(3C3)B7$   
(A) 27 (B) 36  
(C) 29 (D) 19
40. C  
Sol.  $(9 \times 3) + (3 \times 3) - 7 \Rightarrow 27 + 2 = 29$
41. If + denotes  $\div$ ,  $\div$  denotes –, and  $\times$  denotes +. Then  $12 + 2 \times 9 \div 4$  is  
(A) 4 (B) 9  
(C) 11 (D) 18

41. C  
Sol.  $12 \div 2 + 9 - 4$   
 $6 + 9 - 4 = 11$

**Direction (42 – 65):** In each of the following questions, four words/Numbers have been given out of which three are alike in same manner and the fourth one is different. Choose out the odd one

42. (A) goat (B) puppy  
(C) cow (D) buffalo

42. A  
Sol. All except puppy are name of animal puppy is young one of dog

43. (A) cry (B) sob  
(C) weep (D) laugh

43. D  
Sol. Except option (D) other are in sad sence

44. (A) Triangle (B) Rectangle  
(C) Circle (D) Square

44. C  
Sol. Except circle all have edges.

45. (A) Gallon (B) Ton  
(C) Quintal (D) Kilogram

45. A  
Sol. All except (A) we count weight

46. (A) Rectangle (B) Square  
(C) Cube (D) Triangle

46. C  
Sol. Except (C) all other are 2D

47. (A) Kiwi (B) Ostrich  
(C) Eagle (D) Penguin

47. C  
Sol. Except (C) other can't Fly

48. (A) Green (B) Pink  
(C) Indigo (D) Violet

48. B  
Sol. Except (B) other are VIBGYOR

49. (A) Ear (B) Nose  
(C) Skin (D) Neck

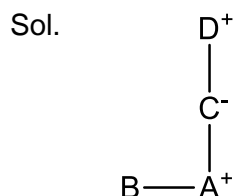
49. D  
Sol. Except (D) all are sense organs.



50. (A) 13 (B) 17  
(C) 101 (D) 221
50. D  
Sol. Except (D) other are Prime no
51. (A) 124 (B) 26  
(C) 63 (D) 39
51. D  
Sol. Except (D) other form of  $(x^3-1)$  form
52. (A) Physics (B) Chemistry  
(C) Biology (D) English
52. D  
Sol. Except (D) others are Science subjects
53. (A) 15 (B) 127  
(C) 255 (D) 33
53. D  
Sol. Except (D) other form of  $(2^n-1)$
54. (A) 14 (B) 35  
(C) 42 (D) 55
54. D  
Sol. Except (D) other are multiple of 7
55. (A) 57 (B) 95  
(C) 114 (D) 78
55. D  
Sol. Except (D) other are multiple of 19
56. (A) 25631 (B) 33442  
(C) 34424 (D) 52163
56. B  
Sol. Except (B) other are sum of 17
57. (A) A (B) U  
(C) E (D) V
57. D  
Sol. Except (D) other are vowel
58. (A) MN (B) OP  
(C) XY (D) UL
58. D  
Sol. Except (D) Difference is one
59. (A) DEAR (B) NEAR  
(C) FEAR (D) LEAR

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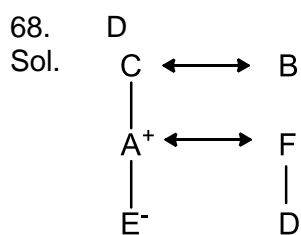
59. D  
Sol. Except (D) meaningful word
60. (A) TuvL (B) Ijkl  
(C) EfgH (D) PqrS
60. B  
Sol. Except (B) in other 2 small letter and 2 capital letter
61. (A) EBCDA (B) GFHUJ  
(C) KOLNM (D) QRSTU
61. A  
Sol. Except (A) other are one vowel
62. (A) TGEP (B) UNDS  
(C) BXFM (D) MHKO
62. B  
Sol. Except (B) other has at least one vowel
63. (A) BDH (B) CFL  
(C) EJU (D) DHP
63. C  
Sol. Except (C) in other option 2<sup>nd</sup> difference is double of first
64. (A) ABDG (B) CDFI  
(C) LMNQ (D) PQSW
64. D  
Sol. Except (D) other difference is same
65. (A) yxvu (B) orqp  
(C) KJHG (D) MLJI
65. B  
Sol. Patter is -1 - 2 - 1.
66. Introducing Ram, Shyam says, 'I am the son of the only son of his grand father.' How Shyam is related to Ram  
(A) Brother (B) Nephew  
(C) Son (D) Uncle
66. B  
Sol. Ram's grand Father only son → Ram's Father. Ram's Father son → Ram Brother
67. Brother of B, C is mother A,D is Father of C. How D is related to B  
(A) Maternal grandfather (B) Grandson  
(C) Uncle (D) Nephew
67. A



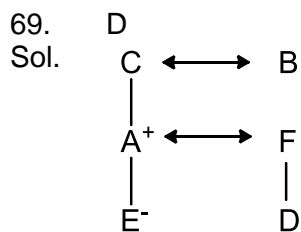
**Direction (68 – 71):** Read the information given below and answer the questions that follow

- (i) A,B,C,D,E and F are six members of a family
- (ii) One couple has Parent and their children in the family
- (iii) A is the son of C and E is the daughter of A
- (iv) D is the daughter of F who is the mother of E?

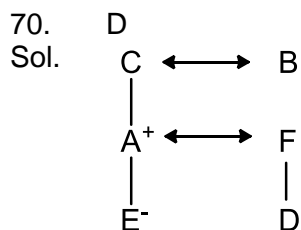
68. Who are male member in the family?  
 (A) A and C (B) C and F  
 (C) A, B and D (D) Can't be determine



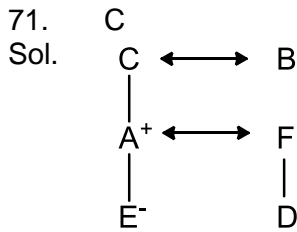
69. Which of the following pair is the parents of the children  
 (A) B and C (B) C and F  
 (C) B and F (D) A and F



70. Which of the following pair is the parents of the couple  
 (A) A and B (B) B and C  
 (C) A and F (D) C and F



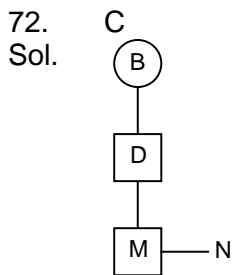
71. How many female in family  
 (A) 2 (B) 3  
 (C) 4 (D) can't be determine



**Direction (72 – 74)** Read the following information carefully and answer the question given below.

- (i)  $P \times Q$  means P is the father of Q
- (ii)  $P - Q$  means P is the sister of Q
- (iii)  $P + Q$  means P is the mother of Q
- (iv)  $P \div Q$  means P is the brother of Q

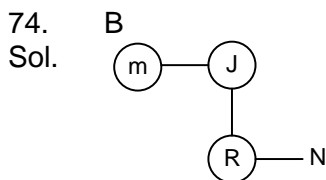
72. In the expression  $B + D \times M \div N$  how M is related to B
- (A) Grandmother
  - (B) Son
  - (C) Grandson
  - (D) Granddaughter or grandson



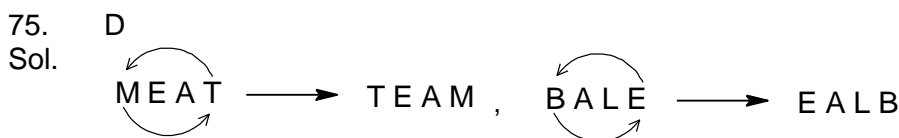
73. Which of the following represent J is the son of F
- (A)  $J \div R - T \times F$
  - (B)  $J + R - T \times F$
  - (C)  $J \div M - N \times F$
  - (D) None of these

73. Sol. D  
None is correct.

74. Which of the following represents R is the niece of M
- (A)  $M \div K \times T - R$
  - (B)  $M - J + R - N$
  - (C)  $R - M \times T \div W$
  - (D) None of these



75. If MEAT is written as TEAM, then BALE is written as
- (A) ELAB
  - (B) EABL
  - (C) EBLA
  - (D) EALB



76. If in a certain code language MIGHT is written as GHMTI. Then how will EARTH be written in that code?  
 (A) RTEHA (B) RTEAH  
 (C) REAEH (D) RETHA

76. A  
 Sol. 
$$\begin{array}{cccccc} \text{M} & \text{I} & \text{G} & \text{H} & \text{T} & \longrightarrow & \text{G} & \text{H} & \text{M} & \text{T} & \text{I} & & \text{E} & \text{A} & \text{R} & \text{T} & \text{H} & \longrightarrow & \text{R} & \text{T} & \text{E} & \text{H} & \text{N} \\ 1 & 2 & 3 & 4 & 5 & & 3 & 4 & 1 & 5 & 2 & & 1 & 2 & 3 & 4 & 5 & & 3 & 4 & 1 & 5 & 2 \end{array}$$

77. If SILVER is coded as ZXYBDQ and KAMAL is coded as LNCNY, then what will be the code for VIKAS?  
 (A) BXNLZ (B) ZXYCN  
 (C) BXLNZ (D) LNCBD

77. C  
 Sol. 
$$\begin{array}{ccc} \text{S-Z} & \text{K-L} & \text{Y-B} \\ \text{I-X} & \text{A-N} & \text{I-X} \\ \text{L-Y} & \text{M-C} & \text{K-L} \\ \text{V-B} & \text{A-N} & \text{A-N} \\ \text{E-D} & \text{L-Y} & \text{S-Z} \\ \text{R-Q} & & \end{array}$$

78. If a certain code language PUT is written as 57, then how will BAT be written in that language?  
 (A) 25 (B) 60  
 (C) 55 (D) 23

78. D  
 Sol. 
$$\begin{array}{ccc} 16 & 21 & 20 \\ \text{P} & \text{U} & \text{T} \end{array} \rightarrow 16 + 21 + 20 = 57$$
  

$$\begin{array}{ccc} 2 & 1 & 20 \\ \text{B} & \text{A} & \text{T} \end{array} \rightarrow 2 + 1 + 20 = 23$$

79. If B = 2, BAG = 10 then BOX = ?  
 (A) 36 (B) 39  
 (C) 41 (D) 52

79. C  
 Sol. 
$$\begin{array}{l} \text{B} = 2 \\ \text{B A G} = 2 + 1 + 7 = 10 \\ \text{B O X} = 2 + 15 + 24 = 41 \end{array}$$

80. If A = 1 and AND = 19 then CAT = ?  
 (A) 32 (B) 47  
 (C) 24 (D) 37

80. C  
 Sol. same as Q. N. 50.

81. If A = 1 and AND = 56 then CAT = ?  
 (A) 60 (B) 65  
 (C) 75 (D) 55



**From questions 86 – 90**, read the following information carefully to answer the following question. In a certain code language 4 6 1 means 'where are you', 1 6 9 means 'you are good' and 8 6 5 2 means 'flowers are not bad'.

86. What is the code for 'not'?

(A) 6

(B) 8

(C) 2

(D) 8 or 5 or 2

86. D

Sol.           4     6     1     →     where are you  
                  1     6     9     →     you are good  
                  8     6     5     2     →     flowers are not bad

87. What is the code for 'good'?

(A) 4

(B) 9

(C) 6

(D) 6 or 1

87. B

Sol.           4     6     1     →     where are you  
                  1     6     9     →     you are good  
                  8     6     5     2     →     flowers are not bad

88. How will 'where not are good flowers' be written in coded language?

(A) 68954

(B) 46598

(C) 45698

(D) none of these

88. D

Sol.           4     6     1     →     where are you  
                  1     6     9     →     you are good  
                  8     6     5     2     →     flowers are not bad

89. How will 'are you where' be written in the coded language?

(A) 614

(B) 163

(C) 618

(D) 168

89. A

Sol.           4     6     1     →     where are you  
                  1     6     9     →     you are good  
                  8     6     5     2     →     flowers are not bad

90. What does '59' means?

(A) not good

(B) bad are

(C) not bad

(D) data inadequate

90. D

Sol.           4     6     1     →     where are you  
                  1     6     9     →     you are good  
                  8     6     5     2     →     flowers are not bad