MATHEMATICAL APTITUDE



This section deals with questions on simple mathematical operations. Here, the four fundamental operations – addition, subtraction, multiplication and division and also statements such as 'less than', 'greater than', 'equal to', 'note equal to' etc. are represented by symbols, different from the usual ones. The questions involving these operations are set using artificial symbols. The candidate has to substitute the real signs and solve the question accordingly, to get the answer.

♦ EXAMPLES ♦

Ex.1
$$\frac{5}{2}$$

. 1.23	
(A) 0.0025	(B) 0.025
(C) 0.025	(D) 2.5

Sol. The answer is (D), i.e. 2.5,

because
$$\frac{5}{2.5} = 2$$
 and $\frac{2.5}{1.25} = 2$

Alternately, put X in both blank spaces so that $X \times X = 1.25 \times 5$ \therefore X = 2.5

Ex.2
$$\frac{\sqrt{1296}}{?} = \frac{?}{2.25}$$

(A) 6 (B) 7 (C) 8 (D) 9

Sol. The answer is (D) i.e. 9, because

$$\frac{\sqrt{1296}}{9} = 4$$
 and $\frac{9}{2.25} = 4$

or, put X in both blank spaces, so that

$$X^2 = \sqrt{1296} \times 2.25$$

$$\therefore \quad X = 9$$

Problem solving by substitution

In this type, you are provided with substitutes for various mathematical symbols, followed by a question involving calculation of an expression or choosing the correct / incorrect equation. The candidate is required to put in the real signs in the given equation and then solve the question as required.

Note: While solving a mathematical expression, proceed according to the rule BODMAS i.e. Brackets, Of, Division, Multiplication, Addition, Subtraction. e.g., $(36-12) \div 4 + 6 \div 2 \times 3$

 $= 24 \div 4 + 6 \div 2 \times 3$ (Solving Bracket) $= 6 + 3 \times 3$ (Solving Division) = 6 + 9 (Solving Multiplication) = 15 (Solving Addition)

♦ EXAMPLES ◆

Ex.3 If '+' means 'divided by', '-' means 'multiplied by', '×' means 'minus' and '÷' means 'plus', which of the following will be the value of the expression $16 \div 8 - 4 + 2 \times 4$?

(A) 16 (B) 28 (C) 32 (D) 44

- Sol. Putting the proper signs in the given expression, we get : $16 + 8 \times 4 \div 2 - 4 = 16 + 16 - 4$ = 32 - 4 = 28. So, the answer is (B),
- **Ex.4** If + means \div , means \times , \div means + and \times means -, then $36 \times 12 + 4 \div 6 + 2 3 = ?$

(A) 2 (B) 18 (C) 42 (D)
$$6\frac{1}{2}$$

Sol. Using the proper signs, we get : $36 - 12 \div 4 + 6 \div 2 \times 3$ $= 36 - 3 + 3 \times 3$ = 36 - 3 + 9 = 45 - 3 = 42So, the correct answer is (C)

Ex.5 If A means 'plus', B means 'minus', C means 'divided by' and D means 'multiplied by', then 18 A 12 C 6 D 2 B 5 = ?(A) 15 (B) 25

Sol. Using the proper signs, we get :

Given expression = $18 + 12 \div 6 \times 2 - 5$ = $18 + 2 \times 2 - 5$ = 18 + 4 - 5= 22 - 5 = 17

So, the answer is (D).

- Ex.6 If × stands for -, ÷ stands for +, + stands for ÷ and stands for ×, which one of the following equation is correct ?
 (A) 15 5 ÷ 5 × 20 + 10 = 6
 - (B) $8 \div 10 3 + 5 \times 6 = 8$
 - (C) $6 \times 2 + 3 \div 12 3 = 15$
 - (D) $3 \div 7 5 \times 10 + 3 = 10$
- Sol. Using the proper signs, we get : Every section in $(\Lambda) = 15 \times 5 + 5 - 20 \div 10$

Expression in (A) =
$$15 \times 5 + 5 - 20 \div 10$$

= $15 \times 5 + 5 - 2$
= $75 + 5 - 2 = 78$
Expression in (B) = $8 + 10 \times 3 \div 5 - 6$
= $8 + 10 \times \frac{3}{5} - 6$
= $8 + 6 - 6 = 8$
Expression in (C) = $6 - 2 \div 3 + 12 \times 3$
= $6 - \frac{2}{3} + 36$
= $42 - \frac{2}{3} = \frac{124}{3}$
Expression in (D) = $3 + 7 \times 5 - 10 \div 3$
= $3 + 7 \times 5 - \frac{10}{3}$

$$= 3 + 7 \times 3 = \frac{104}{3}$$
$$= 3 + 35 - \frac{10}{3} = \frac{104}{3}$$

- \therefore Statement (B) is true.
- Ex.7 It being given that : > denotes +, < denotes -, + denotes ÷, denotes =, = denotes 'less than' and × denotes 'greater than', find which of the following is a correct statement.
 - (A) 3 + 2 > 4 = 9 + 3 < 2
 (B) 3 > 2 > 4 = 18 + 3 < 1
 (C) 3 > 2 < 4 × 8 + 4 < 2
 (D) 3 + 2 < 4 × 9 + 3 < 3
- **Sol.** Using proper notations, we have :
 - (A) Given statement is $3 \div 2 + 4 < 9 \div 3 2$

- or $\frac{11}{2} < 1$, which is not true.
- (B) Given statement is $3 + 2 + 4 < 18 \div 3 1$ or 9 < 5, which is not true.
- (C) Given statement is $3+2-4 > 8 \div 4-2$ or 1 > 0, which is true.
- (D) Given statement is $3 \div 2 4 > 9 \div 3 3$

or
$$-\frac{5}{2} > 0$$
, which is not true.

So, the statement (C) is true.

- (i) Interchange of signs and numbers
- (ii) Deriving the appropriate conclusion.

♦ EXAMPLES ♦

Ex.8 If the given interchanges namely : signs + and ÷ and numbers 2 and 4 are made in signs and numbers, which one of the following four equations would be correct ?

(A)
$$2 + 4 \div 3 = 3$$
 (B) $4 + 2 \div 6 = 1.5$
(C) $4 \div 2 + 3 = 4$ (D) $2 + 4 \div 6 = 8$

- **Sol.** Interchanging + and + and 2 and 4, we get:
 - (A) $4 \div 2 + 3 = 3$ or 5 = 3, which is false.
 - (B) $2 \div 4 + 6 = 1.5$ or 6.5 = 1.5, which is false.

(C)
$$2 + 4 \div 3 = 4$$
 or $\frac{10}{3} = 4$, which is false

(D)
$$4 \div 2 + 6 = 8$$
 or $8 = 8$, which is true.

Ex.9 Which one of the four interchanges in signs and numbers would make the given equation correct? 3 + 5 - 2 = 4

(A) + and -, 2 and 3 (B) + and -, 2 and 5

(C) + and -, 3 and 5 (D) None of these

- Sol. By making the interchanges given in (A), we get the equation as 2-5+3=4 or 0=4, which is false.
- **Ex.10** Given interchanges : Signs and ÷ and numbers 4 and 8
 - (A) $6 8 \div 4 = -1$ (B) $8 6 \div 4 = 1$ (C) $4 \div 8 - 2 = 6$ (D) $4 - 8 \div 6 = 2$
- Sol. On interchanging and \div and 4 and 8 in (C), we get the equation as $8 4 \div 2 = 6$
 - or 8 2 = 6
 - or 6 = 6, which is true.

- Ex.11 Given interchanges : Signs + and × and numbers 4 and 5 (A) $5 \times 4 + 20 = 40$ (B) $5 \times 4 + 20 = 85$ (C) $5 \times 4 + 20 = 104$ (D) $5 \times 4 + 20 = 95$
- Sol. On interchanging + and × and 4 and 5 in (C), we get the equation as $4 + 5 \times 20 = 104$ or 104 = 104, which is true.
- Ex.12 Which of the following two signs need to be interchanged to make the given equation correct? $5+6 \div 3-12 \times 2 = 17$

(A) \div and \times (B) + and \times

- (C) + and \div (D) + and –
- Sol. On interchanging \div and \times , we get : Given expression $= 5 + 6 \times 3 - 12 \div 2$ $= 5 + 6 \times 3 - 6$ = 5 + 18 - 6 = 17
- **Ex.13** Which of the following two signs need to be interchanged to make the given equation correct?

 $2 \times 3 + 6 - 12 \div 4 = 17$

 $(A) \times and + (B) + and -$

 $(C) + and \div \qquad (D) - and \div$

- Sol. On interchanging \times and +, we get : Given expression $= 2 + 3 \times 6 - 12 \div 4$ $= 2 + 3 \times 6 - 3$ = 2 + 18 - 3 = 17
- **Ex.14** Which of the following two signs need to be interchanged to make the given equation correct?

 $10 + 10 \div 10 - 10 \times 10 = 10$

$$(A) + and - (B) + and \div$$

(C) + and × (D)
$$\div$$
 and +

Sol. On interchanging + and \times , we get the equation as

 $10 \times 10 \div 10 - 10 + 10 = 10$

- or $10 \times 1 10 + 10 = 10$
- or 10 = 10, which is true.

 $\frac{50}{?} = \frac{?}{12\frac{1}{2}}$ Q.1 (A) 25/2 (B) 4/25 (C) 25 (D) 5/25 $\frac{21}{?} = \frac{?}{2\frac{1}{3}}$ Q.2 (A) 4/3 (B) 7/3 (C) 71/3 (D) 7 $\frac{0.27}{?} = \frac{?}{0.03}$ Q.3 (A) 9.00 (B) 0.99 (C) 0.09 (D) 0.19 1.005 ? Q.4 4.02 (A) 2.04 (B) 2.05 (C) 2.02 (D) 2.01 $\frac{1.44}{?} = \frac{?}{0.01}$ 0.5 (A) 0.112 (B) 1.12 (C) 0.12 (D) 0.012 $\frac{\sqrt{625}}{?} = \frac{?}{16}$ Q.6 (A) 0.025 (B) 2.05 (C) 0.025 (D) 20.0 $\frac{1.21}{2} = \frac{?}{1}$ **Q.7** (A) 1.01 (B) 0.011 (C) 0.10 (D) 2.10 $\frac{2.7}{?} = \frac{?}{7.5}$ Q.8 (A) 5.25 (B) 0.525 (C) 4.50 (D) 4.05 $\frac{(0.02)^3}{2} = \frac{?}{2^3}$ Q.9 (A) 0.0008 (B) 0.08 (C) 8.00 (D) 0.008 $\frac{0.4^2 - 0.3^2}{?} = \frac{?}{0.07}$ Q.10 (A) 0.71 (B) 0.07 (C) 0.70 (D) 2.7 $\frac{\frac{1}{25}}{?} = \frac{?}{\frac{1}{400}}$ Q.11 (A) 0.04 (B) 4.0 (C) 4.25 (D) 0.01 $\frac{\sqrt{2.56}}{?} = \frac{?}{0.1}$ Q.12 (A) 0.04 (B) 0.004 (C) 4.0 (D) 0.4 $\frac{\sqrt{0.36}}{?} = \frac{?}{0.006}$ Q.13

(A) 0.09 (B) 0.06 (C) 0.012 (D) 0.60

Q.14 If × stands for 'addition',
$$\div$$
 stands for
'subtraction', + stands for 'multiplication and
- stands for 'division', then
 $20 \times 8 \div 8 - 4 + 2 = ?$

Q.15 If – means ×, × means +, + means \div and \div means –, then $40 \times 12 + 3 - 6 \div 60 = ?$

(A) 7.95 (B) 16 (C) 44 (D) none

- Q.16 If + means \times , \div means -, \times means \div and -means +, what will be the value of $4 + 11 \div 5 - 55 = ?$ (A) - 48.5 (B) -11 (C) 79 (D) none
- Q.17 If \div means +, means \div , \times means and + means \times , then $\frac{(36 \times 4) - 8 \times 4}{4 + 8 \times 2 + 16 \div 1} = ?$ (A) 0 (B) 8 (C) 12 (D) 16
- Q.18 If x stands for 'add', y stands for 'subtract', z stands for 'divide and p stands for 'multiply', then what is the value of (7 p 3) y 6 x 5 ? (A) 5 (B) 10 (C) 15 (D) 20

16 P 24 M 8 Q 6 M 2 L 3 = ?

(A)
$$\frac{13}{6}$$
 (B) $-\frac{1}{6}$ (C) $14\frac{1}{2}$ (D) 10

- Q.20 If means ÷, + means ×, ÷ means -, × means +, then which of the following equations is correct?
 (A) 52 ÷ 4 + 5 × 8 2 = 36
 (B) 43 × 7 ÷ 5 + 4 8 = 25
 - (C) $36 \times 4 12 + 5 \div 3 = 420$

(D)
$$36 - 12 \times 6 \div 3 + 4 = 60$$

Directions (Questions 21 to 23) :

In each of the following questions if the given interchanges are made in signs and numbers, which one of the four equations would be correct?

Q.21 Given interchanges : Signs + and - and numbers 4 and 8 (A) $4 \div 8 - 12 = 16$ (B) 4 - 8 + 12 = 0(C) $8 \div 4 - 12 = 24$ (D) $8 - 4 \div 12 = 8$ **Q.22** Given interchanges : Signs - and \times and numbers 3 and 6

(A) $6-3 \times 2 = 9$ (B) $3-6 \times 8 = 10$ (C) $6 \times 3 - 4 = 15$ (D) $3 \times 6 - 4 = 33$

Q.23 Find out the two signs to be interchanged for making following equation correct :

 $5 + 3 \times 8 - 12 \div 4 = 3$ (A) + and - (B) - and \div (C) + and \times (D) + and \div

Directions (Questions 24 to 26) :

In each of the following questions an equation becomes incorrect due to the interchange of two signs. One of the four alternatives under it specifies the interchange of signs in the equation, which when made will make the equation correct. Find the correct alternative.

Q.24
$$16 + 8 \div 4 + 5 \times 2 \equiv 8$$

(A) \div and \times (B) - and \div
(C) \div and + (D) - and \times
Q.25 $9 + 5 \div 4 \times 3 - 6 \equiv 12$
(A) + and \times (B) \div and \times
(C) \div and - (D) + and -

Q.26 $12 \div 2 - 6 \times 3 + 8 \equiv 16$ (A) \div and + (B) - and +(C) \times and + (D) \div and \times

Directions (Questions 27 to 29) :

In each of the following questions, the two expressions on either side of the sign (=) will have the same value if two terms on either side or on the same side are interchanged. The correct terms to be interchanged have been given as one of the four alternatives under the expressions. Find the correct alternative in each case.

Q.27
$$5+3 \times 6-4 \div 2 = 4 \times 3-10+2+7$$

(A) 4, 7 (B) 5, 7
(C) 6, 4 (D) 6, 10
Q.28 $15+3 \times 4-8 \div 2 = 8 \times 5+16 \div 2-1$

Q.29 $8 \div 2 \times 5 - 11 + 9 = 6 \times 2 - 5 + 4 \div 2$ (A) 5, 9 (B) 8, 5 (C) 9, 6 (D) 11, 5

Directions (Questions 30 to 31) :

In each of the following questions, which one of the four interchanges in signs and numbers would make the given equation correct ?

Q.30 $6 \times 4 + 2 = 16$ (A) + and ×, 2 and 4 (B) + and ×, 2 and 6 (C) + and ×, 4 and 6 (D) None of these

- **Q.31** $4 \times 6 2 = 14$
 - (A) × to \div , 2 and 4 (B) to \div , 2 and 6 (C) – to +, 2 and 6 (D) × to +, 4 and 6

Directions (Questions 32 to 34) :

It being given that : Δ denotes 'equal to'; \Box denotes 'not equal to'; + denotes 'greater than'; - denotes 'less than', × denotes 'not greater than'; ÷ denotes 'not less than'. Choose the correct statement in each of the following questions :

Q.32	a – b – c implies	
	(A) a - b + c	(B) $b + a - c$
	(C) $\mathbf{c} \times \mathbf{b} + \mathbf{a}$	(D) $b + a \div c$
Q.33	$a \times b \div c$ implies	
	(A) $\mathbf{a} - \mathbf{b} + \mathbf{c}$	(B) $\mathbf{c} \times \mathbf{b} \div \mathbf{a}$
	(C) a 🗆 b 🗖 c	(D) $b \div a \div c$
Q.34	a + b + c does not imp	oly
	(A) $\mathbf{b} - \mathbf{a} + \mathbf{c}$	(B) $c - b - a$
	(C) $c - a + b$	(D) $b-a-c$

Direction (Questions 35 to 36) :

If α means 'greater than', β means 'equal to', θ means 'not less than', γ means 'less than', δ means 'not equal to' and η means 'not greater than', then which of the four alternatives could be a correct or proper inference in each of the following ?

Q.35 a α 2b and 2b θ r

(A) $a \eta r$ (B) $a \alpha r$ (C) $a \beta r$ (D) $a \gamma r$

- **Q.36** If A stands for 'not equal to' (\neq), B stands for 'greater than' (>), C stands for 'not less than' (\neq), D stands for 'equal to' (=), E stands for 'not greater than' (\neq), F stands for 'less than (<), then according to the given premises (4x F 5y) and (5y E 3s), which of the following inferences is correct ?
 - (A) 4x A 3s (C) 4x C 3s (D) 4x D 3s

Direction (Questions 37 to 38) :

In each of the following questions, Δ means 'is greater than', % means ' is lesser than', \Box means 'is equal to' = means 'is not equal to', + means 'is a little more than', × means 'is a little less than'.

Choose the correct alternative in each of the following questions.

Q.37 If a Δ b and b + c, then

(A) a % c	(B) c % a
(C) c + a	(D) can not say

- Q.38If c % b and b × a, then(A) a Δ c(B) c \Box a(C) b \Box c(D) c Δ a
- Q.39 If + means \div , × means -, \div means × and -means +, then : 8 + 6 × 4 \div 3 - 4 ? (A) -12 (B) -20/3 (C) 12 (D) 20/3
- Q.40 If × means \div , means ×, \div means + and + means -, then : $(3 - 15 \div 19) \times 8 + 6 = ?$ (A) 8 (B) 4 (C) 2 (D) -1
- Q.41 If \times means +, \div means -, means \times and + means \div , then : $8 \times 7 8 + 40 \div 2 = ?$

(A) 1 (B)
$$7\frac{2}{5}$$
 (C) $8\frac{3}{5}$ (D) 44

- Q.42 If + means -, means ×, × means \div and \div means +, then : $15 \times 3 \div 15 + 5 - 2 = ?$ (A) 0 (B) 6
 - (C) 10 (D) none of these
- Q.43 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) none of these
- Q.44 If + means \div , means \times , \div means -, \times means +, what will be the value of $8 + 6 \div 4 - 7 \times 3$?

(A)
$$-\frac{71}{3}$$
 (B) $-\frac{23}{2}$ (C) 12 (D) 14

Q.45 If P denotes \div , Q denotes \times , R denotes + and S denotes -, then : 18 Q 1 2 P 4 R 5 S 6 = ?

(A) 30	(B) 33
(C) 59	(D) 65

- Q.46 If a means 'Plus', b means 'minus', c means 'multiplied by' and d means 'divided by', then 18c 14a 6b 16d 4 = ?
 (A) 63 (B) 254
 - (C) 288 (D) none of these
- Q.47 If A means -, B means ÷, C means + and D means ×, then : 15 B 3 C 24 A 12 D 2 = ? (A) 34 (B) 2 (C) 5/9 (D) none of these
- **Q.48** If A stands for +, B stands for –, C stands for ×, then what is the value of (10 C 4) A (4 C 4) B 6?

(A) 60	(B) 56
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(C) 50 (D) 46

- Q.49 If × means 'addition', means 'division', ÷ means 'subtraction' and + means 'multiplication', then which of the following equations is correct ?
 - (A) $16 \times 5 \div 10 + 4 3 = 19$ (B) $16 + 5 \div 10 \times 4 - 3 = 9$ (C) $16 + 5 - 10 \times 4 \div 3 = 9$ (D) $16 - 5 \times 10 \div 4 + 3 = 12$
- - (A) $36 \times 6 + 7 \div 2 6 = 20$ (B) $36 \div 6 + 3 \times 5 - 3 = 45$ (C) $36 + 6 - 3 \times 5 \div 3 = 24$ (D) $36 - 6 + 3 \times 5 \div 3 = 74$
- **Q.51** If P denotes +, Q denotes -, R denotes × and S denotes ÷, which of the following statements is correct ?
 - (A) 36 R 4S 8 Q 7 P 4 = 10
 - (B) 16 R 12 P 49 S 7 Q 9 = 200
 - (C) 32 S 8 R 9 = 160 Q 12 R 12
 - (D) 8 R 8 P 8 S 8 Q 8 = 57
- **Q.52** If L denotes ÷, M denotes ×, P denotes + and Q denotes -, then which of the following statements is true ?

(A)
$$32 P 8 L 16 Q 4 = -\frac{3}{2}$$

(B) $6 M 18 Q 26 L 13 P 7 = \frac{173}{13}$
(C) $11 M 34 L 17 Q 8 L 3 = \frac{38}{3}$
(D) $9 P 9 L 9 Q 9 M 9 = -71$

- **Q.53** If × stands for 'addition', < for 'subtraction', + stands for 'division'. > 'for multiplication', stands for 'equal to', ÷ for 'greater than' and = stands for 'less than' state which off the following is true ?
 - (A) $3 \times 2 < 4 \div 16 > 2 + 4$
 - (B) $5 > 2 + 2 = 10 < 4 \times 8$
 - (C) $3 \times 4 > 2 9 + 3 < 3$

(D)
$$5 \times 3 < 7 \div 8 + 4 \times 1$$

Directions (Questions 54 to 58) :

If > denotes +, < denotes -, + denotes \div , \land denotes \times , - denotes =, \times denotes > and = denotes <, choose the correct statements in each of the following questions.

- Q.54 (A) 6+3 > 8 = 4+2 < 1(B) $4 > 6+2 \times 32+4 < 1$ (C) 8 < 4+2 = 6 > 3(D) 14+7 > 3 = 6+3 > 2
- Q.56 (A) 13 > 7 < 6 + 2 = 3 4 (B) 9 > 5 > 4 - 18 + 9 > 16(C) $9 < 3 < 2 > 1 \times 8 \land 2$ (D) $28 + 4 \land 2 = 6 \land 4 + 2$
- Q.57 (A) $29 < 18 + 6 = 36 + 6 \land 4$ (B) $18 > 12 + 4 \land 7 > 8 \land 2$ (C) $32 > 6 + 2 = 6 < 7 \land 2$ (D) $31 > 1 < 2 = 4 > 6 \land 7$
- Q.58 (A) 7 > 7 < 7 + 7 = 14(B) $7 \land 7 > 7 + 7 = 7 \land 7 > 1$ (C) 7 < 7 + 7 = 6(D) 7 + 7 > 7 = 8

Directions : (*Q*. 59 to 78) :

In each of the following questions, arrange the given words in a meaningful sequence and then choose the most appropriate sequence from amongst the alternatives provided below each questions.

Q.59	1. Birth	2. Death						
	3. Funeral	4. Marriage						
	5. Education							
	(A) 4, 5, 3,1, 2	(B) 2, 3, 4, 5, 1						
	(C) 1, 5, 4, 2, 3	(D) 1, 3, 4, 5, 2						
Q.60	1. Site	2. Plan						
	3. Rent	4. Money						
	5. Building							
	(A) 4, 1, 2, 5, 3	(B) 3, 4, 2, 5, 1						
	(C) 2, 3, 5, 1, 4	(D) 1, 2, 3, 5, 4						
Q.61	1. Table	2. Tree						
Q.61	1. Table 3. Wood	 Tree Seed 						
Q.61	 Table Wood Plant 	 2. Tree 4. Seed 						
Q.61	1. Table 3. Wood 5. Plant (A) 4, 5, 3, 2, 1	 2. Tree 4. Seed (B) 4, 5, 2, 3, 1 						
Q.61	1. Table 3. Wood 5. Plant (A) 4, 5, 3, 2, 1 (C) 1, 3, 2, 4, 5	2. Tree 4. Seed (B) 4, 5, 2, 3, 1 (D) 1, 2, 3, 4, 5						
Q.61 Q.62	1. Table 3. Wood 5. Plant (A) 4, 5, 3, 2, 1 (C) 1, 3, 2, 4, 5 1. College	 2. Tree 4. Seed (B) 4, 5, 2, 3, 1 (D) 1, 2, 3, 4, 5 2. Child 						
Q.61 Q.62	 Table Wood Plant (A) 4, 5, 3, 2, 1 (C) 1, 3, 2, 4, 5 College Salary 	 2. Tree 4. Seed (B) 4, 5, 2, 3, 1 (D) 1, 2, 3, 4, 5 2. Child 4. School 						
Q.61 Q.62	 Table Wood Plant (A) 4, 5, 3, 2, 1 (C) 1, 3, 2, 4, 5 College Salary Employment 	 2. Tree 4. Seed (B) 4, 5, 2, 3, 1 (D) 1, 2, 3, 4, 5 2. Child 4. School 						
Q.61 Q.62	 Table Wood Plant (A) 4, 5, 3, 2, 1 (C) 1, 3, 2, 4, 5 College Salary Employment (A) 1, 2, 4, 3, 5 	 2. Tree 4. Seed (B) 4, 5, 2, 3, 1 (D) 1, 2, 3, 4, 5 2. Child 4. School (B) 2, 4, 1, 5, 3 						

Q.63	1. Reading	2. Composing
	3. Writing	4. Printing
	(A) 1, 3, 2, 4	(B) 2, 3, 4, 1
	(C) 3, 1, 2, 4	(D) 3, 2, 4, 1
Q.64	1. Cutting	2. Dish
	3. Vegetable	4. Market
	5. Cooking	
	(A) 1, 2, 4, 5, 3	(B) 3, 2, 5, 1, 4
	(C) 4, 3, 1, 5, 2	(D) 5, 3, 2, 1, 4
Q.65	1. Income	2. Status
	3. Education	4. Well-being
	5. Job	
	(A) 1, 3, 2, 5, 4	(B) 1, 2, 5, 3, 4
	(C) 2, 3, 4, 5, 1	(D) 3, 5, 1, 2, 4
Q.66	1. Milky way	2. Sun
	3. Moon	4. Earth
	5. Stars	
	(A) 4, 3, 2, 5, 1	(B) 3, 4, 2, 5,1
	(C) 2, 3, 4, 5, 1	(D) 1, 4, 3, 3, 2, 5
Q.67	1. Sea	2. Rivulet
	3. Ocean	4. River
	5. Glacier	
	(A) 5, 4, 3, 2, 1	(B) 5, 4, 2, 3, 1
	(C) 5, 2, 4, 1, 3	(D) 5, 2, 1, 3, 4
Q.68	1. Poverty	2. Population
	3. Death	4. Unemployment
	5. Disease	
	(A) 3, 4, 2, 5, 1	(B) 2, 4, 1, 5, 3
	(C) 2, 3, 4, 5, 1	(D) 1, 2, 3, 4, 5
Q.69	1. Yarn	2. Plant
	3. Saree	4. Cotton
	5. Cloth	
	(A) 2, 4, 1, 5, 3	(B) 2, 4, 3, 5, 1
	(C) 2, 4, 5, 1, 3	(D) 2, 4, 5, 3, 1
Q.70	1. Puberty	2. Adulthood
	3. Childhood	4. Infancy
	5. Senescence	
	(A) 5, 2, 3, 4, 1	(B) 4, 3, 2, 1, 5
	(C) 4, 3, 1, 2, 5	(D) 2, 4, 3, 1, 5
Q.71	1. Windows	2. Walls
	3. Floor	4. Foundation
	5. Roof	
	(A) 4, 5, 3, 2, 1, 6	(B) 4, 3, 5, 6, 2, 1
	(C) 4, 2, 1, 5, 3, 6	(D) 4, 1, 5, 8, 2, 3

Q.72	1. Post-box	2. Letter
	3. Envelope	4. Delivery
	5. Clearance	
	(A) 3, 2, 4, 5, 1	(B) 3, 2, 1, 5, 4
	(C) 3, 2, 1, 4, 5	(D) 2, 3, 1, 4, 5
Q.73	1. Key	2. Door
	3. Lock	4. Room
	5. Switch on	
	(A) 5, 1, 2, 4, 3	(B) 4, 2, 1, 5, 3
	(C) 1, 2, 3, 5, 4	(D) 1, 3, 2, 4, 5
Q.74	1. Gold	2. Iron
	3. Sand	4. Platinum
	5. Diamond	
	(A) 2, 4, 3, 5, 1	(B) 3, 2, 1, 5, 4
	(C) 4, 5, 1, 3, 2	(D) 5, 4, 3, 2, 1
Q.75	1. Cut	2. Put on
	3. Mark	4. Measure
	5. Tailor	
	(A) 4, 3, 1, 5, 2	(B) 3, 1, 5, 4, 2
	(C) 2, 4, 3, 1, 5	(D) 1, 3, 2, 4, 5
Q.76	1. Rainbow	2. Rain
	3. Sun	4. Happy
	5. Child	
	(A) 2, 1, 4, 3, 5	(B) 2, 3, 1, 5, 4
	(C) 4, 2, 3, 5, 1	(D) 4, 5, 1, 2, 3
Q.77	1. Study	2. Job
	3. Examination	4. Earn
	5. Apply	
	(A) 1, 2, 3, 4, 5	(B) 1, 3, 2, 5, 4
	(C) 1, 3, 5, 4, 2	(D) 1, 3, 5, 2, 4
Q.78	1. Shoulder	2. Wrist
	3. Elbow	4. Palm
	5. Finger	
	(A) 5, 4, 2, 3, 1	(B) 3, 4, 5, 2, 1
	(C) 3, 1, 4, 2, 5	(D) 2, 4, 5, 3, 1
Q.79	If T means '', R m	neans '+', P means

- Q.79 If T means '-', R means '+', P means '×', M means '÷', S means '=', Q means '>' and N means '<', then which one of the answer is correct?
 - (A) 5 P 6 M 10 R 8 T 7 N 10 T 7
 - (B) 2 R 6 T 8 P 3 Q 7 R 2 P 3
 - (C) 35 M 5 T 2 R 12 N 6 P 3
 - (D) 35 R 8 P 2 M 4 T 10 S 10 P 3 T 7

Direction :

A means greater than B means equal to, C means not less than, D means less than, E means not equal to and F means not greater than.

Q.80	Premises : (a A 2 b)	and (2 b C r)								
	(A) a B r	(B) a F r								
	(C) a A r	(D) a D r								
Q.81	Premises : (x F y) a	nd (x A o)								
	(A) y D o	(B) y A o								
	(C) y F o	(D) y B o								
Q.82	Premises : (2 x E y)	and (2 y F 3 z)								
	(A) 2 x F 3 y	(B) y B 6 x								
	(C) y D 3 z	(D) 3 z B 3 y								
Q.83	If III stands for 2,	IIII for 3 and II for 1, solve								
	the following :									
	II – IIII + III + IIIII	=?								
	(A) IIIIIII	(B) IIIIIIII								
	(C) IIIII	(D) IIII								
Q.84	Insert proper arith figures in the follow	netical signs between the ing sum.								
	7 3 2 = 13									
	(A) –, ×	(B) +, ×								
	$(C) \times, \div$	(D) –, +								
Q.85	If '+' means 'divide	ed by', '-' means 'multiplied								
	by'; '×' means 'minu $8+6-2 \div 4 \times 4 = 6$	us' and '÷' means 'plus'; then ?								
	(A) 12 (B) $\frac{8}{2}$	(C) $-\frac{52}{1}$ (D) $1\frac{1}{1}$								
	3	9 2								
Q.86	If $3 \times 6 = 18; 4 \times 5 \times 2 = ?$	$7 = 22; 9 \times 1 = 20$, then								
	(A) 7 (B) 10	(C) 14 (D) 3								
Q.87	If a, b means '÷' or means '+' or '-' an 10a 2b 4c 8d 6 = ?	'+', c, d means '-' or '×'; b, c d a, c means '÷' or '-' then								
	(A) 6	(B) 57								
	(C) 39	(D) none of these								

ANSWER KEY

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