



**NATIONAL TALENT SEARCH EXAMINATION
(NTSE-2021) STAGE -1
STATE : ASSAM PAPER : MAT**

Date: 13/12/2020

Max. Marks: 100

SOLUTIONS

Time allowed: 120 mins

Directions (Q. No. 1-10)

Find the odd word out.

1. (A) Volume (B) Shape (C) Weight (D) Large

Ans. (D)

Sol. Large (Large is an adjective and others are noun.)

2. (A) Ear (B) Heart (C) Eye (D) Kidney

Ans. (B)

Sol. Heart

(All except Heart are present in the human body in a pair)

3. (A) April (B) May (C) July (D) September

Ans. (A)

Sol. April

(It comes in even order)

4. (A) Cloud (B) Rain (C) Vapour (D) Fog

Ans. (B)

Sol. Rain

(It is in only liquid form)

5. (A) Cabbage (B) Papaya (C) Brinjal (D) Cucumber

Ans. (B)

Sol. Papaya

(It is a fruit)

6. (A) Haryana (B) Gujrat (C) Kerela (D) Tamilnadu

Ans. (A)

Sol. Haryana

(It has no coastal boundary)

7. (A) Assam (B) Tripura (C) Mizoram (D) West Bengal

Ans. (D)

Sol. West Bengal

8. (A) Parrot (B) Koel (C) Vulture (D) Swan

Ans. (D)

Sol. Swan

(Swan is the only water bird in the group)

9. (A) Wheat (B) Paddy (C) Maize (D) Mustard

Ans. (D)

Sol. Mustard

(It is a kind of oil seed)

10. (A) Snake (B) Lizard (C) Turtle (D) Whale

Ans. (D)

Sol. Whale

(All except whale are reptiles while whale is a mammal)

Directions (Q. No. 11-15)

Find the odd numeral pair in each of the following questions.

11. (A) 42, 4 (B) 36, 6 (C) 32, 2 (D) 15, 5

Ans. (A)

Sol. 42, 4

(In all the pairs except the first no. is a multiple of 2nd no.)

12. (A) 13, 21 (B) 19, 27 (C) 15, 23 (D) 16, 24

Ans. (D)

Sol. 16, 24

(All other pairs consists of odd nos. only)

13. (A) 7, 18 (B) 9, 26 (C) 11, 36 (D) 13, 42

Ans. (C)

Sol. 11, 36

(In all other pairs)

2nd no. = (1st no. × 4) – 10

14. (A) 3, 4 (B) 4, 7 (C) 5, 12 (D) 20, 21

Ans. (D)

Sol. 20, 21

(In all other pairs, one of the two nos. is prime)

15. (A) 9, 3 (B) $\frac{1}{2}, \frac{1}{8}$ (C) $\frac{1}{3}, \frac{1}{12}$ (D) 24, 6

Ans. (A)

Sol. 9, 3

(In all other pairs, the first no. is 4 times of the 2nd no.)

Directions (Q. No. 16-25)

Find the odd numeral pair in each of the following questions :

16. Ship : sea :: camel : ?

- (A) Forest (B) Land (C) Mountain (D) Desert

Ans. (D)

Sol. Ship : sea :: camel : Desert

17. Coconut : Shell :: Letter : ?

- (A) Letter-box (B) Stamp (C) Mail (D) Envelope

Ans. (D)

Sol. Coconut : Shell :: Letter : Envelope

Justification : First is enclosed inside the 2nd.

18. Moon : Satellite :: Earth : ?

- (A) Sun (B) Planet (C) Solar System (D) Asteriod

Ans. (B)

Sol. Moon : Satellite :: Earth : Planet

Moon is a Satellite and Earth is a Planet.

19. India : President :: State : ?

- (A) Prime Minister (B) Governor (C) Chief Minister (D) Mayor

Ans. (B)

Sol. India : President :: State : Governor

2nd is constitutional head of the 1st.

20. Good : Bad :: Roof : ?

- (A) Window (B) Floor (C) Walls (D) Pillars

Ans. (B)

Sol. Good : Bad :: Roof : Floor

(Opposite of word)

21. 4 : 19 :: 7 : ?

- (A) 54 (B) 55 (C) 57 (D) 59

Ans. (B)

Sol. 4 : 19 :: 7 : 55

$$4 \times 5 = 20 - 1 = 19$$

$$7 \times 8 = 56 - 1 = 55$$

22. 82 : 9 :: 26 : ?

- (A) 5 (B) 6 (C) 4 (D) 9

Ans. (A)

Sol. 82 : 9 :: 26 : 5

Justification : $9^2 = 81 + 1 = 82$

$$5^2 = 25 + 1 = 26$$

23. 5 : 9 :: 10 : ?

- (A) 17 (B) 28 (C) 65 (D) 126

Ans. (B)

Sol. 5 : 9 :: 10 : 28

$$2^2 + 1 = 5 ; 2^3 + 1 = 9$$

$$3^2 + 1 = 10 ; 3^3 + 1 = 28$$

24. 18 : 30 :: 36 : ?

- (A) 54 (B) 62 (C) 64 (D) 66

Ans. (D)

Sol. 18 : 30 :: 36 : 66

$$18 \times 2 = 36 - 6 = 30$$

$$36 \times 2 = 72 - 6 = 66$$

25. 8 : 32 :: 10 : ?

- (A) 42 (B) 44 (C) 45 (D) 50

Ans. (D)

Sol. 8 : 32 :: 10 : 50

$$8^2 = 64/2 = 32$$

$$10^2 = 100/2 = 50$$

Directions (Q. No. 26-35)

Choose the odd letter group or odd numeral group :

26. (A) CFIL (B) PSVX (C) JMPS (D) ORUX

Ans. (B)

Sol. PSVX

(In all other groups, each letter moves 3 steps forward to obtain the next letter)

27. (A) CZHK (B) SEN0 (C) XUBU (D) YDFP

Ans. (C)

Sol. XUBU

(This is the only group in which letter has been repeated)

28. (A) XW (B) PO (C) ML (D) FG

Ans. (D)

Sol. FG

(All other groups contain two consecutive letters in reverse order)

29. (A) JOT (B) OUT (C) DOG (D) DIN

Ans. (B)

Sol. OUT

(This is the only group containing two vowels)

30. (A) HGF (B) XWV (C) NML (D) OPQ

Ans. (D)

Sol. OPQ (By observation)

31. (A) 383 (B) 551 (C) 242 (D) 263

Ans. (A)

Sol. 383

(In all other nos., the middle digit is equal to the product of other two digits.)

32. (A) 8 (B) 28 (C) 216 (D) 125

Ans. (B)

Sol. 28

(It is not a perfect cube)

33. (A) 19 (B) 17 (C) 15 (D) 13

Ans. (C)

Sol. 15

(It is not a prime no.)

34. (A) 21 (B) 69 (C) 81 (D) 83

Ans. (C,D)

Sol. *

35. (A) 392 (B) 326 (C) 414 (D) 248

Ans. (A)

Sol. 392

(It is not perfect square but all the 3 are perfect square if we multiply the digits.)

$3 \times 9 \times 2 = 54$ (it is not a perfect square)

Directions (Q. No. 36-40)

Complete the series :

36. 7, 12, 19, 28, 39, ____

(A) 49 (B) 51 (C) 52 (D) 57

Ans. (C)

Sol. 7, 12, 19, 28, 39, 52

$$\begin{array}{cccccc} 7 & 12 & 19 & 28 & 39 & \underline{52} \\ \underbrace{\quad} & \underbrace{\quad} & \underbrace{\quad} & \underbrace{\quad} & \underbrace{\quad} & \\ +5 & +7 & +9 & +11 & +13 & \end{array}$$

37. 17, 19, 22, 27, 34, 45, ____

(A) 58 (B) 57 (C) 56 (D) 59

Ans. (A)

Sol. 58

$$\begin{array}{cccccc} 17 & 19 & 22 & 27 & 34 & 45 & \underline{58} \\ \underbrace{\quad} & \underbrace{\quad} & \underbrace{\quad} & \underbrace{\quad} & \underbrace{\quad} & \underbrace{\quad} & \\ +2 & +3 & +5 & +7 & +11 & +13 & \end{array}$$

38. 2, 7, 28, 63, 126, ____
(A) 210 (B) 213 (C) 215 (D) 219

Ans. (C)

Sol. 215

2, 7, 28, 63, 126, 215

$$(1)^3 + 1 = 2$$

$$(2)^3 - 1 = 7$$

$$(3)^3 + 1 = 28$$

$$(4)^3 - 1 = 63$$

$$(5)^3 + 1 = 126$$

$$(6)^3 - 1 = 215$$

39. ND, IY, DT, YO, TJ, ____
(A) MP (B) NQ (C) OF (D) OE

Ans. (D)

Sol. OE

40. Z, X, V, T, R, P, ____
(A) N (B) M (C) K (D) S

Ans. (A)

Sol. N(There is a difference of 2 in each letter.)

Directions (Q. No 41-45)

Arrange the items in the following questions in a meaningful order :

41. (1) Consultation (2) Illness
(3) Doctor (4) Treatment
(5) Recovery
(A) 2, 3, 1, 4, 5 (B) 2, 3, 4, 1, 5 (C) 4, 3, 1, 2, 5 (D) 5, 1, 4, 3, 2

Ans. (A)

Sol. (Illness, Doctor, Consultation, Treatment, Recovery)

42. (1) Country (2) Furniture
(3) Forest (4) Wood
(5) Trees
(A) 1, 3, 5, 4, 2 (B) 1, 4, 3, 2, 5 (C) 2, 4, 3, 1, 5 (D) 5, 2, 3, 1, 4

Ans. (A)

Sol. (Country, Forest, Trees, Wood, Furniture)

43. (1) Mother (2) Child
(3) Milk (4) Cry
(5) Smile
(A) 1, 5, 2, 3, 4 (B) 2, 4, 1, 3, 5 (C) 2, 4, 3, 1, 5 (D) 3, 2, 1, 5, 4

Ans. (B)

Sol. (Child, Cry, Mother, Milk, Smile)

44. (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

Ans. (D)

Sol. (Study, Examination, Apply, Job, Earn)

45. (1) Curd (2) Grass
 (3) Butter (4) Milk
 (5) Cow
 (A) 5, 2, 4, 1, 3 (B) 5, 2, 3, 4, 1 (C) 4, 2, 5, 3, 1 (D) 2, 5, 4, 3, 1

Ans. (A)

Sol. (Cow, Grass, Milk, Curd, Butter)

Directions (Q. No 46-48)

Find which one word can be made from the letters of the given word :

46. MEASUREMENT

- (A) MASTER (B) MANTLE (C) SUMMIT (D) ASSURE

Ans. (A)

Sol. MASTER

47. CHOCOLATE

- (A) TELL (B) HEALTH (C) LATE (D) COOLER

Ans. (C)

Sol. LATE

48. VENTURESOME

- (A) ROSTRUM (B) SERMON (C) TRAVERSER (D) SEVENTEEN

Ans. (B)

Sol. SERMON

49. If '+' means '÷', '-' means '×', '÷' means '+' and '×' means '-', then $36 \times 12 + 4 \div 6 + 2 = ?$

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

Ans. (Bonus)

Sol. (But have actual answer is 36)

50. If 'P' denotes '÷', 'Q' denotes '×', 'R' denotes '+' and 'S' denotes '-', then the value of 18Q12P4R5S6 is :-

- (A) 53 (B) 59 (C) 65 (D) 51

Ans. (A)

Sol. If 'P' → '÷'

'Q' → '×'

'R' → '+'

'S' → '-'

18Q12P4R5S6

$$= 18 \times 12 \div 4 + 5 - 6$$

$$= 18 \times 3 + 5 - 6$$

$$= 54 + 5 - 6$$

$$= 59 - 6$$

$$= 53$$

51. If $9 \times 3 = 36$; $11 \times 7 = 81$ then $5 \times 13 = ?$

- (A) 65 (B) 66 (C) 81 (D) 51

Ans. (C)

Sol. Justification :- $5 \times 13 = 5 + 13 = 18$ then $\frac{18}{2} = (9)^2 = 81$

52. If $31 + 72 = 26$; $52 + 45 = 32$ then $47 + 83 = ?$

- (A) 88 (B) 44 (C) 65 (D) 130

Ans. (B)

Sol. Justification :- $47 + 83 = 4 + 7 + 8 + 3 = 22 \times 2 = 44$

Directions (Q. No 53-55)

Find the absolute truth out of the given alternatives :

53. A fan always has

- (A) Switch (B) Blades (C) Current (D) Wire

Ans. (B)

Sol. Blades

A fan always has Blades.

54. Milk always contains

- (A) Sugar (B) Fats (C) Calcium (D) Water

Ans. (C)

Sol. Calcium

Milk always contains Calcium.

55. A child must have

- (A) Toys (B) Friends (C) Parents (D) Education

Ans. (C)

Sol. Parents

A Child must have Parents.

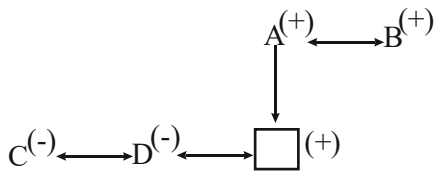
56. A and B are brother, C and D are sisters. A's son is D's brother. How is B related to C?

- (A) Father (B) Brother (C) Uncle (D) Grand Father

Ans. (C)

Sol. Uncle

Justification :- Family tree



Notes : '+' = Male

'-' = Female

'B' is called as uncle of 'C'

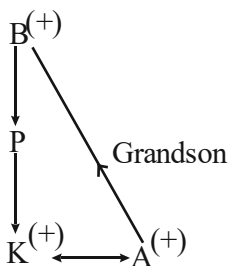
57. Kumud is the brother of Anil. Kumud is the son of Parimal. Bimal is Parimal's father. How is Anil related to Bimal?

- (A) Son (B) Grandson (C) Brother (D) Grand Father

Ans. (B)

Sol. Grandson

Family tree :



Notes : '+' = Male

'-' = Female

58. 'A + B' means 'A is the son of B'

'A - B' means 'A is the wife of B'. What does P + R - Q mean?

(A) 'Q' is the father of 'P'

(B) 'Q' is the son of 'P'

(C) 'Q' is the uncle of 'P'

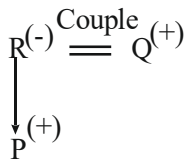
(D) 'Q' is the brother of 'P'

Ans. (A)

Sol. 'Q' is the father of 'P'

Justification :

Family tree : P + R - Q



Note : '+' = Male, '-' = Female, '=' \Rightarrow Couple

'Q' is the father of 'P'

59. 'A \times B' means 'A is the brother of B'

'A \div B' means 'A is the mother of B'. What does P \times R \div Q mean?

(A) 'P' is the brother of 'Q'

(B) 'P' is the father of 'Q'

(C) 'P' is the uncle of 'Q'

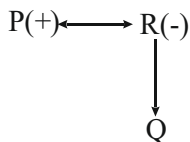
(D) 'P' is the nephew of 'Q'

Ans. (C)

Sol. 'P' is the uncle of 'Q'

Justification :

Family Tree : P \times R \div Q



So, 'P' is the uncle of 'Q'.

60. 'A + B' means 'A is the father of B'

'A \div B' means 'A is the daughter of B'. What does P \div R + Q mean?

(A) 'P' is the father of 'Q'

(B) 'P' is the brother of 'Q'

(C) 'P' is the mother of 'Q'

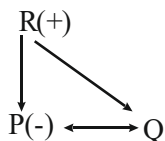
(D) 'P' is the sister of 'Q'

Ans. (D)

Sol. 'P' is the sister of 'Q'

Justification :

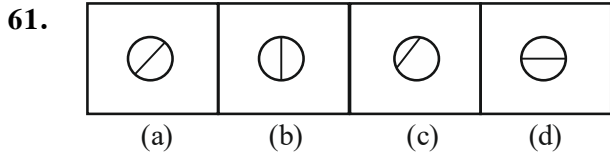
Family tree : P \div R + Q



So, 'P' is the sister of 'Q'

Directions (Q. No 61-65)

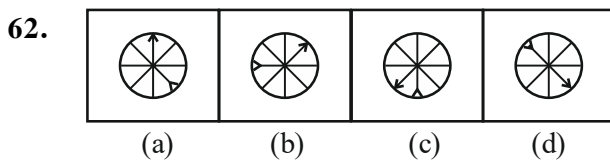
In each of the following questions, three figures are similar in a certain way. Choose the figure which is different from the rest :



- (A) a (B) b (C) c (D) d

Ans. (C)

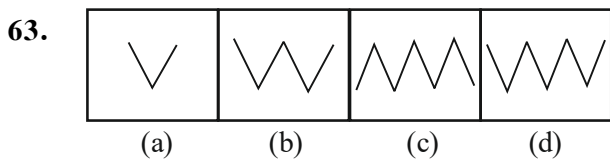
Sol. (By Observations)



- (A) a (B) b (C) c (D) d

Ans. (D)

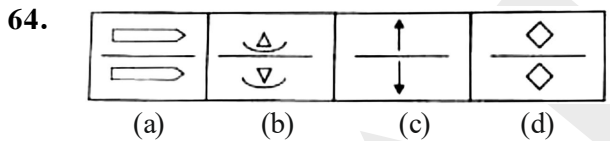
Sol. (By Observations)



- (A) a (B) b (C) c (D) d

Ans. (C)

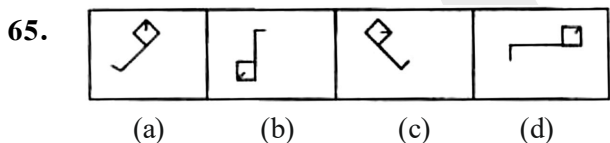
Sol. (By Observations)



- (A) a (B) b (C) c (D) d

Ans. (B)

Sol. (By Observations)



- (A) a (B) b (C) c (D) d

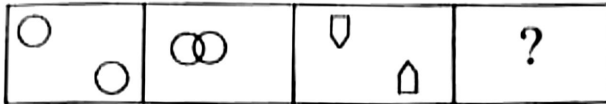
Ans. (C)

Sol. (By Observations)

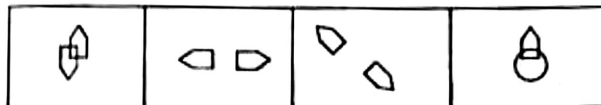
Directions (Q. No. 66-70)

In each of the following questions, there are three problem figures followed by a question mark (?) for the fourth one. There exists relationship between the first two problem figures. A similar relationship should exist between the third and fourth figures. Find the one from the answer figures that correctly replaces the question mark :

66. Problem Figures :



Answer Figures :



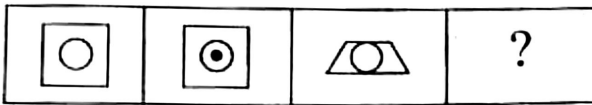
(a) (b) (c) (d)

(A) a (B) b (C) c (D) d

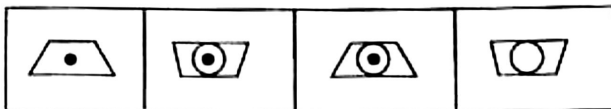
Ans. (A)

Sol. (By Observations)

67. Problem Figures :



Answer Figures :



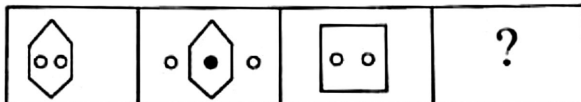
(a) (b) (c) (d)

(A) a (B) b (C) c (D) d

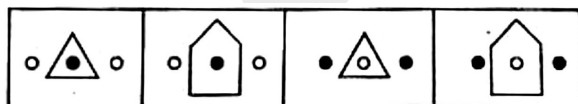
Ans. (C)

Sol. (By Observations)

68. Problem Figures :



Answer Figures :



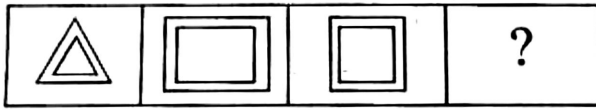
(a) (b) (c) (d)

(A) a (B) b (C) c (D) d

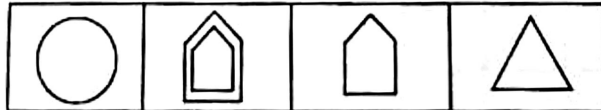
Ans. (B)

Sol. (By Observations)

69. Problem Figures :



Answer Figures :

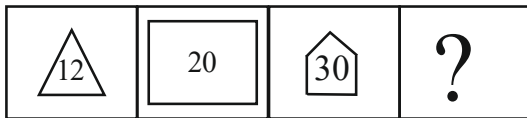


- (a) (b) (c) (d)
 (A) a (B) b (C) c (D) d

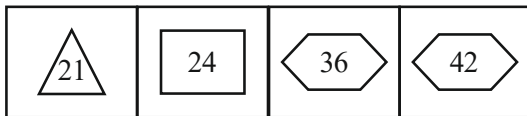
Ans. (B)

Sol. (By Observations)

70. Problem Figures :



Answer Figures :



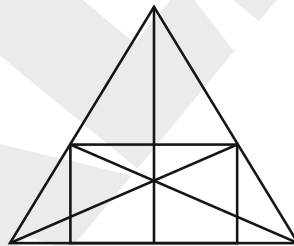
- (a) (b) (c) (d)
 (A) a (B) b (C) c (D) d

Ans. (D)

Sol. 42

Justification :- $6 \times 7 = 42$

71. How many straight lines are contained in the figure given below?



- (A) 9 (B) 10 (C) 11 (D) 12

Ans. (A)

Sol. 9

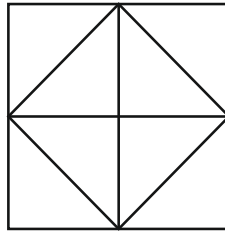
Horizontal lines = "2"

Vertical lines = "3"

Slanting lines = "4"

Total = "9" (Straight lines)

72. How many triangles are contained in the figure given below?

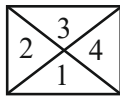


- (A) 8 (B) 10 (C) 12 (D) 14

Ans. (C)

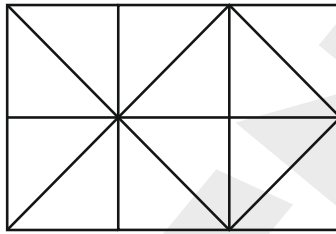
Sol. 12

Justification :-



Tricks = $4 \times 2 = 8 + 4 = 12\Delta$

73. How many squares are contained in the following figure?

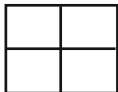


- (A) 6 (B) 7 (C) 8 (D) 9

Ans. (D)

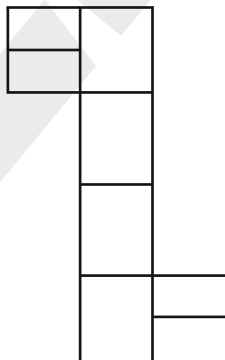
Sol. 9

Justification :



Tricks : $5 + 4 = 9$ (Square)

74. How many rectangles are there in the following figure?



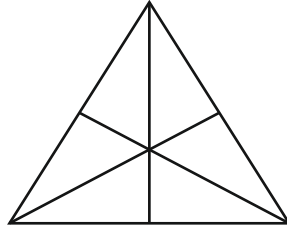
- (A) 8 (B) 17 (C) 18 (D) 19

Ans. (C)

Sol. 18 (By Observations)

Justification :- 18 Rectangles.

75. How many triangles are there in the following figure?



(A) 8

(B) 9

(C) 16

(D) 11

Ans. (C)

Sol. 16

Justification :



$$= 3 \text{ (Triangles)} \times 3 = 9 + 7 = 16 \text{ (Triangles)}$$

Directions (Q. No. 76-82)

In each of the following questions, numbers are placed in the figures on the basis of some logics. One place is vacant and indicated by a question mark (?). Find out the correct alternatives to replace the question mark.

76.

6	6	8
5	7	5
4	3	?
120	126	320

(A) 4

(B) 8

(C) 12

(D) 16

Ans. (B)

Sol. 8

Justification : $6 \times 5 \times 4 = 120$

$$6 \times 7 \times 3 = 126$$

$$8 \times 5 \times 8 = 320$$

77.

1	4	?
4	2	5
2	2	3
49	64	169

(A) 3

(B) 5

(C) 4

(D) 6

Ans. (B)

Sol. 5

Tricks :

$$1 + 4 + 2 = (7)^2 = 49$$

$$4 + 2 + 2 = (8)^2 = 64$$

$$5 + 5 + 3 = (13)^2 = 169$$

78.

3	6	8
5	8	4
4	7	?

(A) 6

(B) 7

(C) 8

(D) 9

Ans. (A)

Sol. 6

Tricks :

$$3 + 6 + 8 = 17$$

$$5 + 8 + 4 = 17$$

$$4 + 7 + 6 = 17$$

79.

6	9	15
8	12	20
4	6	?

(A) 5

(B) 10

(C) 15

(D) 21

Ans. (B)

Sol. 10

Tricks :

$$6 + 9 = 15$$

$$8 + 12 = 20$$

$$4 + 6 = 10$$

80.

2	4	0
1	2	4
3	1	3
36	?	91

- (A) 25 (B) 48 (C) 59 (D) 73

Ans. (D)

Sol. 73

Tricks : $2^3 + 1^3 + 3^3 = 8 + 1 + 27 = 36$

Similarly, $0^3 + 4^3 + 3^3 = 0 + 64 + 27 = 91$

So, $4^3 + 2^3 + 1^3 = 64 + 8 + 1 = 73$

81.

13	54	?
7	45	32
27	144	68

- (A) 42 (B) 36 (C) 6 (D) 4

Ans. (D)

Sol. 4

Tricks : $13 + (7 \times 2) = 13 + 14 = 27$

Similarly, $4 + (32 \times 2) = 4 + 64 = 68$

82.

28	20	7
84	35	12
45	?	9

- (A) 15 (B) 18 (C) 20 (D) 25

Ans. (D)

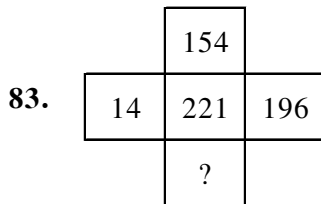
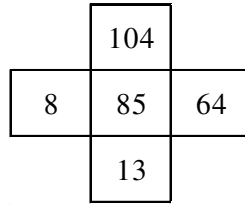
Sol. 25

Tricks : $28/7 = 4 \times 5 = 20$

Similarly, $45/9 = 5 \times 5 = 25$

Directions (Q. No. 83-85)

Study the following diagram and answer the given questions :

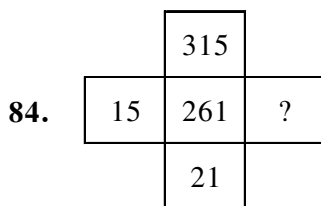


- (A) 11 (B) 13 (C) 15 (D) 17

Ans. (A)

Sol. 11

Tricks : $(11)^2 = 121$

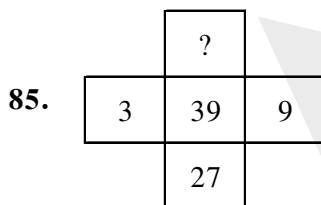


- (A) 125 (B) 90 (C) 105 (D) 225

Ans. (D)

Sol. 225

Tricks : $(15)^2 = 225$



- (A) 33 (B) 81 (C) 243 (D) 42

Ans. (B)

Sol. 81

Tricks : $27 \times 3 = 81$

Directions (Q. No. 86-90)

In each of these questions, which character from the given options when placed at the sign of question mark (?) shall complete the matrix?

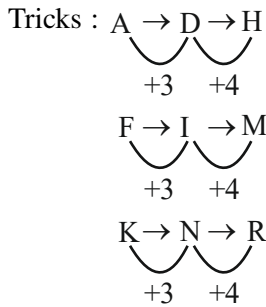
86.

A	D	H
F	I	M
?	N	R

- (A) K (B) N (C) O (D) P

Ans. (A)

Sol. K



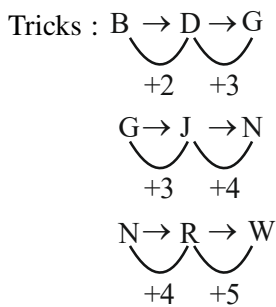
87.

B	G	N
D	J	R
G	N	?

- (A) U (B) V (C) W (D) X

Ans. (C)

Sol. W



88.

A	M	B	N
R	C	S	D
E	U	F	?

(A) G

(B) R

(C) T

(D) V

Ans. (D)

Sol. V

Tricks : $\rightarrow A \rightarrow B$ then $M \rightarrow N$

Similarly, $E \rightarrow F$ then $U \rightarrow V$

89.

P	T	?
O	Q	S
M	N	R

(A) I

(B) L

(C) O

(D) U

Ans. (D)

Sol. U

tricks : $M \rightarrow Q \rightarrow U$
 $\underbrace{\quad\quad}_{+4} \quad \underbrace{\quad\quad}_{+4}$

90.

A	D	G
D	I	N
I	P	?

(A) V

(B) W

(C) X

(D) Y

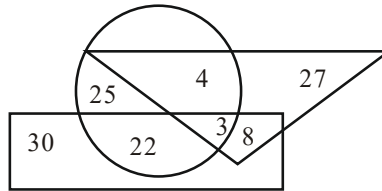
Ans. (B)

Sol. W

Tricks : $A \rightarrow D \rightarrow G$
 $\underbrace{\quad\quad}_{+3} \quad \underbrace{\quad\quad}_{+3}$
 $D \rightarrow I \rightarrow N$
 $\underbrace{\quad\quad}_{+5} \quad \underbrace{\quad\quad}_{+5}$
 $I \rightarrow P \rightarrow \boxed{W}$
 $\underbrace{\quad\quad}_{+7} \quad \underbrace{\quad\quad}_{+7}$

Directions (Q. No. 91-95)

Study the following figure carefully and answer the questions given below it. The rectangle represents artists, the circle represents players and the triangle represents doctors :



91. How many players are neither artists nor doctors?

- (A) 3 (B) 8 (C) 22 (D) 25

Ans. (D)

Sol. 25

Justifications : “25” players are neither artists nor doctors.

92. How many artists are players ?

- (A) 30 (B) 29 (C) 25 (D) 22

Ans. (C)

Sol. 25

$(22 + 3) = 25$ artists are players.

93. How many doctors are both players and artists?

- (A) 3 (B) 4 (C) 8 (D) 11

Ans. (A)

Sol. 3

Justifications : “3” doctors are both players and artists.

94. How many doctors are neither players nor artists?

- (A) 30 (B) 27 (C) 22 (D) 8

Ans. (B)

Sol. 27

Justifications : “27” doctors are neither players nor artists.

95. How many artists are neither players nor doctors?

- (A) 22 (B) 24 (C) 29 (D) 30

Ans. (D)

Sol. 30

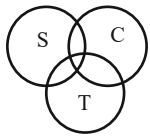
Justifications : “30” artists are neither players nor doctors.

96. Select from the given diagrams, the one that illustrates the relationships among the given three classes
Tennis fans, Cricket players, Students



Ans. (A)

Sol. Justifications : Tennis fans, Cricket players, Students



Some students can be cricket players.

Some cricket players can be Tennis fans.

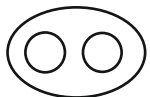
Some students can be Tennis fans.

97. Choose from the four diagrams given below, the one that illustrates the relationship among :
Language, French, German



Ans. (C)

Sol. Justifications : Language, French, German



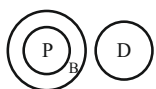
French and German both are language.

98. Select from the four alternative diagrams, the one that best illustrates the relationship among the three
classes : Pigeons, Birds, Dogs



Ans. (A)

Sol. Justifications : Pigeons, Birds, Dogs



All Pigeons are birds, but Dogs are entirely different.

Directions (Q. No. 99-100)

Read the following information carefully and answer the questions :

- i) Arati is older than Sanu.
- ii) Muskan is elder than Arati but younger than Kailash.
- iii) Kailash is elder than Sanu.
- iv) Sanu is longer than Muskan.
- v) Gargi is the eldest

99. Who is the youngest?

- (A) Kailash (B) Arati (C) Muskan (D) Sanu

Ans. (D)

Sol. Sanu

Justifications :

- 1. Arati > Sanu
- 2. Kailash > Muskan > Arati
- 3. Kailash > Sanu
- 4. Sanu < Muskan

Clearly, Kailash > Muskan > Arati > Sanu,
but Gargi is eldest of all.

Hence, Gargi > Kailash > Muskan > Arati > Sanu

So, Sanu is youngest one.

100. Agewise, who is in the middle?

- (A) Kailash (B) Muskan (C) Arati (D) Sanu

Ans. (B)

Sol. Muskan

Justifications :

So, Agewise Muskan is middle.