NATIONAL TALENT SEARCH EXAMINATION (NTSE-2020) STAGE -1

STATE : PUNJAB PAPER : MAT

Date: 03/11/2019

Max. Marks: 100 **SOLUTIONS** **Time allowed: 120 mins**

Direction : There is a number series following a pattern. One place is left blank. Find the correct answer from the given options Questions (1-5).

1. 16,33,65,131,____,523

(1) 613 (2) 261 (3) 521 (4) 262

Ans. (2)

Sol. $x^2 + 1$, $x^2 - 1$, $\times^2 + 1$, _____

2. 15,17,32,49,81,130,_____

(1) 211 (2) 226 (3) 179 (4) 194

Ans. (1)

Sol. Sum of consecutive number.

$15 + 17 = 32$, $17 + 32 = 49$

$\therefore$ Answer $81 + 130 = 211$

3. 28,33,31,36 _____,39

(1) 40 (2) 38 (3) 32 (4) 34

Ans. (4)

Sol. + 5, –2, + 5, –2, _ _____

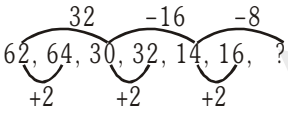
$\therefore$ Answer = 36 – 2 = 34

4. 62,64,30,32,14,16,____

(1) 12 (2) 6 (3) 18 (4) 13

Ans. (2)

Sol.



$\therefore$ Answer = 6 – 2

5. 38,62,74,102,_____

(1) 124 (2) 104 (3) 102 (4) 120

Ans. (3)

Sol. $38 + 3 \times 8 = 62$

$62 + 6 \times 2 = 74$

$74 + 7 \times 4 = 102$

$\therefore$ Answer = $102 + 1 \times 0 \times 2 = 102$

Direction - In question (6-10) find the odd term/wrong term or which is different from the rest three terms.

6. (1) 31 : 96 (2) 15 : 63 (3) 22 : 91 (4) 23.95

Ans. (1)

Sol. (1st number) × 4 + 3 = 2nd Number

$\therefore$ Answer = 1st option

7. (1) DFGE (2) KMNL (3) PRSQ (4) UXWV

Ans. (4)

Sol. 

But 4th option doesn't satisfies

$\therefore$ Answer = 4th opption

8. (1) (2,8,18) (2) (7,8,24) (3) (3,9,21) (4) (5,7,19)

Ans. (2)

Sol. 1st no + 2 (2nd no) = 3rd no.

9. (1) CGTX (2) QJUF (3) BFUY (4) DKPW

Ans. (2)

Sol. All other options = alphabets in increasing order

10. (1) 65 (2) 344 (3) 730 (4) 101

Ans. (4)

Sol. All other options → Perfect Cubes + 1

Direction: In questions (11-13) the letters/numbers follow a definite pattern. Find the missing letter/ number to complete the pattern.

11. — bcc _ ac_aabb_ab_cc

(1) bacab (2) bcaca (3) aabca (4) abaca

Ans. (1)

Sol. Pattern : b b c c a a/ c c a a b b / a a b b c c

$\therefore$ Answer : 1st option

12. gfe___2g__e22__fe2__gf__22

(1) e2fg2 (2) 2fg2g (3) e2g2e (4) 2fg2e

Ans. (4)

Sol. Pattern : gfe 22/gfe 22/gfe 22

13. 00___0__1_0_0__1

(1) 10010 (2) 01011 (3) 01100 (4) 00111

Ans. (1)

Sol. Pattern : 001/001/001/001

Direction : In question (14-16) : Developing relationship among items on the left side of sign :: find relationship on the rights side of sign :: by choosing from alternatives

14. 18:48 ::100: ?

(1) 160 (2) 180 (3) 120 (4) 144

Ans. (2)

Sol. $2 \times 3^2 : 3 \times 4^2 :: 4 \times 5^2 : 5 \times 6^2$

$\therefore$ Answer = 180

15. JOB : JOKE:: ROB : ?

(1) ROBE (2) RODE (3) ROAL (4) ROSE

Ans. (4)

Sol. Best option : Rose

16. Tagore : Poetry :: Picasso : ?

(1) Art (2) Literature (3) Painting (4) Architecure

Ans. (3)

Sol. Picasso related to painting

Direction : In question (17-23) find the missing term that will come in place of question mark.

17.

372	580	918
235	405	735
274	350	

(1) 366 (2) 345 (3) 482 (4) 432

Ans. (1)

Sol. 2 (918 – 735) = 2 (183) = 336

18.

	4	6	
7	108	?	3
2	63	113	9
	8	3	

(1) 68 (2) 36 (3) 54 (4) 72

Ans. (4)

Sol. $2^3 + 8^2 = 72$

19.

6	10	?
3	2	2
6	20	4
12	25	64

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

Ans. (2)

Sol. $\sqrt[3]{12 \times 6 \times 3} = 6$

$\therefore$ $\sqrt[3]{64 \times 4 \times 2} = 8$

20.

9	17	69
13	12	62
?	13	81

(1) 5 (2) 9 (3) 21 (4) 10

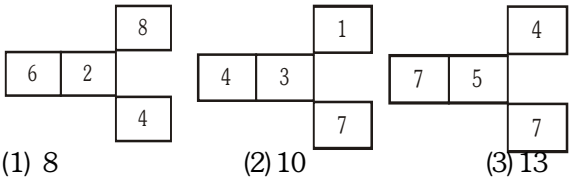
Ans. **(3)**

Sol. $9 \times 2 + 17 \times 3 = 69$

$\therefore\ 7 \times 2 + 13 \times 3 = 81$

$\therefore\ ? = 21$

21.

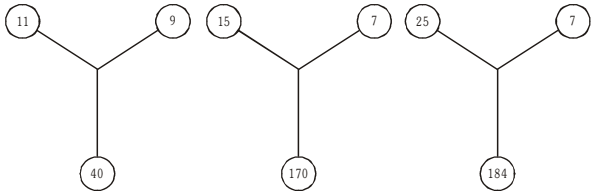


(1) 8 (2) 10 (3) 13 (4) 6

Ans. **(4)**

Sol. $7^2 - 5^2 = 4 \times ? \Rightarrow ? = 6$

22.



(1) 24 (2) 22 (3) 21 (4) 19

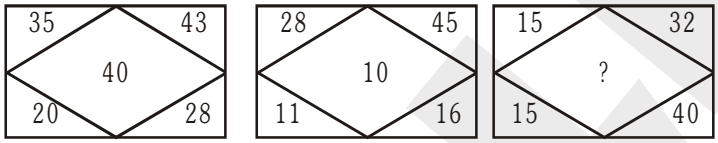
Ans. **(3)**

Sol. $121 - 40 = 9^2$

Similarly $25^2 - 184 = (?)^2$

$\therefore$ Answer = 21

23.



(1) 38 (2) 35 (3) 28 (4) 25

Ans. **(1)**

Sol. $(15 + 15 + 40) - 32 = 38$

24. If Physics= 106

Then Biology = ?

(1) 90 (2) 92 (3) 82 (4) 87

Ans. **(2)**

Sol. (Sum of positions) + No of letters

$\therefore$ BIOLOGY = 92

25. If Blue = 160

Then Book = ?

(1) 182 (2) 162 (3) 43 (4) 172

Ans. **(4)**

Sol. BOOK

(2 + 15 + 15 + 11) × 4 (No.of letters)

= 43 × 4 = 172

Direction: In question (26-27) Find the correct group of signs to solve the Equation.

26. $\sqrt{100} * \sqrt{16} * \sqrt{225} * \sqrt{1}$

(1) $x, =, +$ (2) $+, = x$ (3) $+, =, -$ (4) $-, x, =$

Ans. (3)

Sol. $10 * 4 * 15 * 1$

$10 + 4 = 15 - 1$

$14 = 14$

27. $24 * 34 * 2 * 5 * 12$

(1) $+, \div, x, =$ (2) $=, \div, -, +$ (3) $+, \div, = x$ (4) $=, \div, +, -$

Ans. (2)

Sol. $24 * 32 * 2 * 5 * 12$

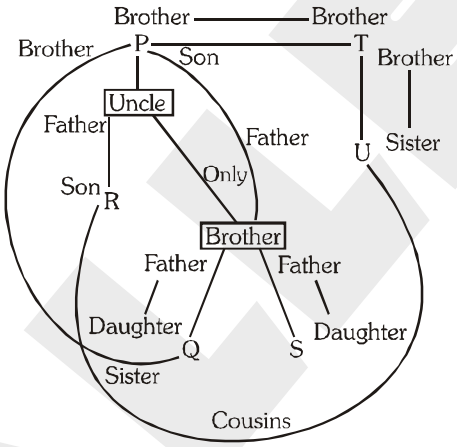
$\Rightarrow 24 = 34 \div 2 - 5 + 12$

$\Rightarrow 24 = 17 - 5 + 12$

$\Rightarrow 24 = 29 - 5$

$= 24 = 24$

Direction: in questions (28-31) six children P, Q, R, S, T, U are playing football. P and T are brothers, U is the sister of T. R is the only son of P's uncle, Q and S are the daughters of the only brother of R's father.



28. How is R related to U ?

(1) Brother (2) Cousin (3) Uncle (4) Son

Ans. (2)

Sol. R & U are cousins

29. How many male players are there ?

(1) One (2) Two (3) Three (4) Five

Ans. (3)

Sol. Male Players = Three

P, R, T

30. How many female players are there ?

(1) Four (2) Three (3) Two (4) One

Ans. (2)

Sol. Female Players = Three Q, S, U

31. How is Q related to P ?

(1) Sister (2) Uncle (3) Niece (4) Cousin

Ans. (1)

Sol. Q is sister of P.

32. If "Red" is called "Green"; "Green" is called Yellow"; "Yellow" is called "Violet"; "Violet" is called "Blue"; "Blue" is called "Orange"; Then what is the colour of Vegetable Lady finger

(1) Green (2) Blue (3) Yellow (4) violet

Ans. (3)

Sol. Vegetable lady finger is green coloured and green is called yellow. So lady finger is of yellow colour.

Directions -Questions (33-66) : study the columns and answer. In column I some words are given and their codes are given in column II. The codes in the column II are not in the same order as the letter of words in column I.

Column I	**Column II**
FLOUR	**xncap**
TAP	**ksd**
ROSE	**cmrn**
LOTUS	**smcpx**
SAIL	**kptm**

F $\rightarrow$ a

R $\rightarrow$ n

T $\rightarrow$ s

A $\rightarrow$ k

P $\rightarrow$ d

L $\rightarrow$ p

O $\rightarrow$ c

S $\rightarrow$ m

U $\rightarrow$ x

I $\rightarrow$ t

E $\rightarrow$ r

33. Find the code of 'F'

(1) P (2) c (3) x (4) a

Ans. (4)

Sol. F = a

34. Find the code for 'P'

(1) d (2) k (3) s (4) c

Ans. **(1)**

Sol. P = d

35. Code of 'Last' word

(1) pkns (2) mcrx (3) pkms (4) pkds

Ans. **(3)**

Sol. L A S T
↓ ↓ ↓ ↓
p k m s = pkms

36. What is Code of 'PLASTER' word

(1) dpkxcrn (2) dpkmsrn (3) apxkrnd (4) mraxpak

Ans. **(2)**

Sol. P L A S T E R
↓ ↓ ↓ ↓ ↓ ↓ ↓
d p k m s r n = dpkmsrn

37. How many 5's are there in the given number sequence each of which are immediately preceded by 3 or 4 but are not immediately followed by 8 or 9.

3 5 9 5 4 5 5 3 5 8 4 5 6 7 3 5 7 5 5 4 5 2 3 5 0

(1) 5 (2) 4 (3) 3 (4) 2

Ans. **(1)**

Sol. No. of 5's immediately preceded by 3 or 4 but not immediately followed by 8 or 9.

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

Total no. of 5's = 5

38. How many M's occur in the following letter series which are preceded by 'W and followed by V

X U V M R S T M W N V M W O P M U V M W A C W M V H P N V M W M T

(1) 3 (2) 1 (3) 2 (4) 5

Ans. **(2)**

Sol. X U V M R S T M W N V M W O P M U V M W A C **W M V** H P N V M W M T

No. of M,'s preceded by W and followed by V = 1.

39. Find the word which cannot be formed from the letters of the word 'INFRASTRUCTURE'.

(1) RESTRAIN (2) FRACTURE (3) CHARTER (4) NATURE

Ans. **(3)**

Sol. CHARTER, because H is not present in INFRASTRUCTURE.

40. Find the word which can be formed from the letters of the word 'ENVIRONMENT'.

(1) ENVY (2) ENTERTAIN (3) ENTRANCE (4) EMINENT

Ans. **(4)**

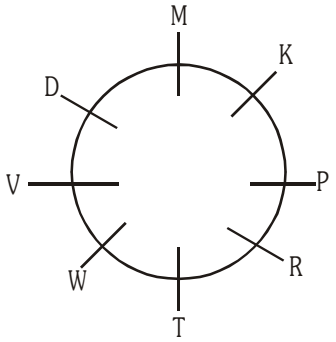
Sol. ENVY - Y is not present in ENVIRONMENT

ENTERTAIN- Only one T is in ENVIRONMENT

ENTRANCE- C is not present in ENVIRONMENT

EMINENT- All the alphabets are in ENVIRONMENT so answer is option 4

Direction -Read the information carefully and answer the questions (41 to 44) -P,T,V,R,M,D,K and W are sitting around a round table. V is second to left of T, T is fourth to Right of M, D and P are not immediate neighbours of T. D is the third to the right of P. W is not an immediate neighbour of P. P is to the immediate left of K.



41. Who is second to left of K

(1) R (2) P (3) M (4) W

Ans. (1)

Sol. Second to the left of k = R

42. Who is to the immediate left of V

(1) T (2) M (3) D (4) W

Ans. (3)

Sol. Immediate left of V = D

43. Who is third to right of V

(1) P (2) R (3) K (4) T

Ans. (2)

Sol. Third to the right of V = R.

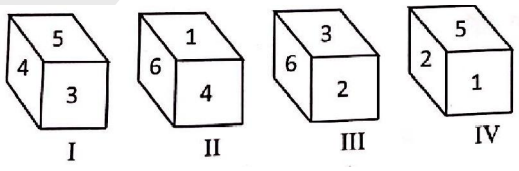
44. What is P's position with respect to V

(1) Fourth to the left (2) Second to the left (3) Fifth to the right (4) Third to the right

Ans. (1)

Sol. P's position with respect to V= fourth to the left.

Direction : Questions (45-46) Four postions of the same dice have been shown . Select the alternative which provides correct answer to the question asked.

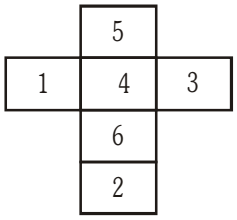


45. Which number would be Opposite to 3

(1) 6 (2) 5 (3) 1 (4) 4

Ans. (3)

Sol.



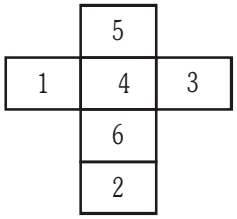
No. opposite to 3 = 1

46. Which number would be opposite to 5

(1) 6 (2) 4 (3) 3 (4) 2

Ans. (1)

Sol.



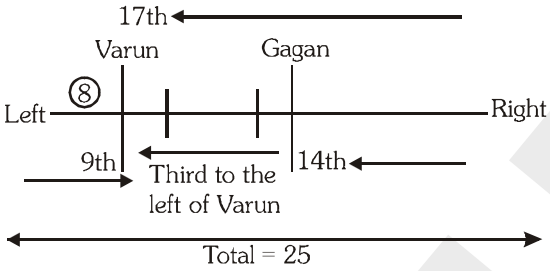
No. opposite to 5 = 6

47. In a row of twenty five children Gagan is the 14th from the right end. Varun is third to the left of Gagan, What is Varun's position from the left end of the row,

(1) Seventh (2) Tenth (3) Eighth (4) Nineth

Ans. (4)

Sol.



48. A person is to climb a tree of 50 feet height. In every second he climbs 5 feet but slips down 4 feet. After how many seconds he will be able to touch the top of tree?

(1) 50 (2) 46 (3) 49 (4) 48

Ans. (2)

Sol.

	climb	- slip	- net climb
In 1st second-	5 feet	4 feet	1 feet
In 2nd - second	6 feet	4 feet	2 feet
	:	:	:
	:	:	:
	:	:	:
In 45th - second	49 feet	4 feet	45 feet
In 46th - second	Crosses		50 feet

So, person touches the top of the tree in 46 seconds

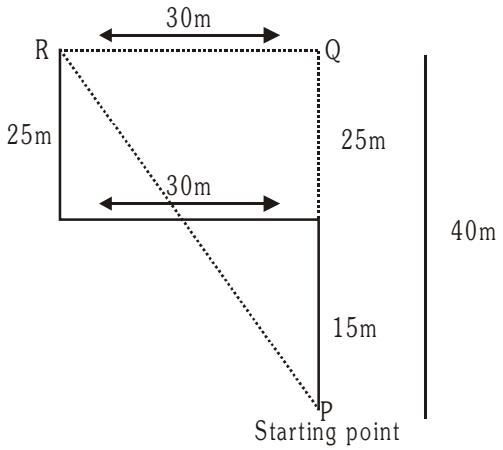
49. Anju walks 15 metres toward north, then she turns left at 90° and walks 30 metres. Then turn right 90° and walks 25 metre. How far is she from the starting point and is in which direction.

(1) 50 meters, north-west (2) 50 meters, west

(3) 55 meters, north -east (4) 60 meters, north

Ans. (1)

Sol.



In Right angled ΔPQR :

$PR^2 = PQ^2 + QR^2$

$PR^2 = (40)^2 + (30)^2$

$PR^2 = 1600 + 900$

$PR^2 = 2500$

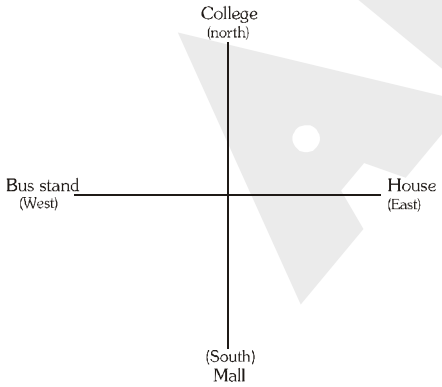
$PR = \sqrt{2500} = 50$ metres

Distance from starting point = **PR = 50m**, north west.

50. Karan wants to go to college which is situated in a direction opposite to that of a Mall, He starts from his house which is in the east and comes at a four way place (Chauraha). His left side road goes to the Mall and straight in front is the Bus Stand , In what direction is the college located?

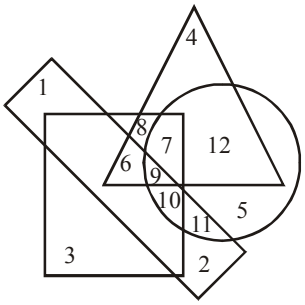
(1) North - East (2) South (3) East (4) North

Ans. (4)



Sol. College's direction = North

Direction : Questions (51-54) the following diagrams circle stands for insurance agents, the square stands for hard working, the triangles stands for rural people and rectangle stands for graduates. Based upon these diagrams answer the questions.



51. Non-rural and hard working Insurance agents who are graduates are indicated by the region

(1) 9 (2) 5 (3) 10 (4) 7

Ans. (3)

Sol. Region common to circle, square and rectangle but not in triangle = 10

52. Insurace agents who are neither graduates nor hard working but rural are represented by the region

(1) 12 (2) 11 (3) 10 (4) 8

Ans. (1)

Sol. Region common to circle and triangle but not in square and rectangle = 12

53. Hard working non-graduates rural agents are represented by the region.

(1) 6 (2) 9 (3) 7 (4) 12

Ans. (3)

Sol. Region common to circle, triangle and square but not in and rectangle = 7

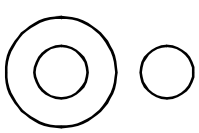
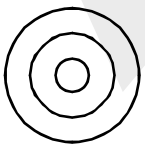
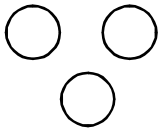
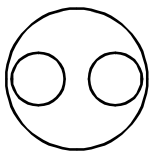
54. Non-graduates insurance agents who are not hard working and who do not belong to rural areas are represented by the region.

(1) 6 (2) 5 (3) 8 (4) 11

Ans. (2)

Sol. Region of circle which is not in triangle, square and rectangle = 5.

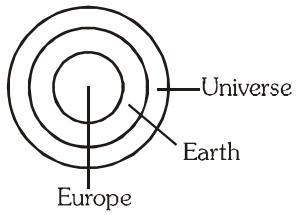
55. Direction : In question (55-57) which of the following diagrams correctly represents the relation between given three items

(1)  (2)  (3)  (4) 

55. Universe, Earth, Europe

Ans. (2)

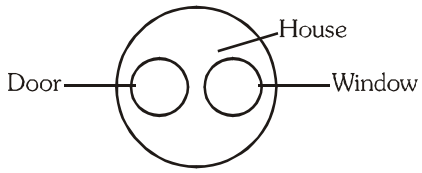
Sol.



56. Door, Window, House

Ans. (4)

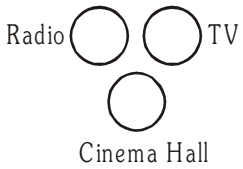
Sol.



57. Radio, T.V., Cinema Hall

Ans. (3)

Sol.



Direction -In question (58-59) Arrange the words as they occur in the dictionary and choose the correct sequence.

58. (I) Select (II) Seldom (III) Send (IV) Selfish (V) Seller

(1) II, V, IV, I, III (2) II,I,V,IV,III (3) I,II,IV,V,III (4) II,I,IV,V,III

Ans. (4)

Sol. Seldom, Select, Selfish, Seller, Send

II, I, IV, V, III

59. (I) Continuation (II) Contention (III) Contain (IV) Continuous

(V) Count

(1) III,II,I,IV,V (2) III,II,IV,I,V (3) III,II,IV,V,I (4) III,I,II,IV,V

Ans. (1)

Sol. Contain, Contention, Continuation, Continuous, Count

III, II, I, IV, V

Direction -Q (60-61) If > denotes +, < denotes-, + denotes ÷, ∧ denotes ×, - denotes = , × denotes >, = denotes <. Choose the correct statement in each of following questions

60. (1) $14 > 18 + 9 = 16 + 4 < 1$ (2) $3 < 6 \wedge 4 > 25 = 8 + 4 > 1$

(3) $12 > 9 + 3 < 6 \times 25 + 5 > 6$ (4) $4 > 3 \wedge 8 < 1 - 6 + 2 > 24$

Ans. (4)

Sol. **(1)** $14 + 18 \div 9 < 16 \div 4 - 1$

$14 + 2 < 4 - 1$

$16 < 3$, Not correct

(2) $3 - 6 \times 4 + 25 < 8 \div 4 + 1$

$3 - 24 + 25 < 2 + 1$

$4 < 3$, not correct

(3) $12 + 9 \div 3 - 6 > 25 \div 5 + 6$

$12 + 3 - 6 > 5 + 6$

$9 > 11$, not correct.

(4) $4 + 3 \times 8 - 1 = 6 \div 2 + 24$

$4 + 24 - 1 = 3 + 24$

$27 = 27$, which is true

61. (1) $7 \wedge 7 > 7 + 7 = 7$ $\wedge 7 > 1$ (2) $7 > 7 < 7 + 7 = 14$

(3) $7 < 7 + 7 = 6$ (4) $7 + 7 > 7 = 8$

Ans. **(2)**

Sol. **(1)** $7 \times 7 + 7 \div 7 < 7 \times 7 + 1$

$49 + 1 < 49 + 1$, not correct

(2) $7 + 7 - 7 \div 7 < 14$

$14 - 1 < 14$

$13 < 14$, which is correct

(3) $7 - 7 + 7 < 6$

$7 < 6$, not correct

(4) $7 \div 7 + 7 < 8$

$1 + 7 < 8$

$8 < 8$, not correct

62. A father is three times as old as his son. Five years ago, he was four times as old as his son. Find the present age of the son

(1) 17 years (2) 15 years (3) 12 years (4) 19 years

Ans. **(2)**

Sol. $\mathbf{F = 3\ S}$

$F - 5 = 4\ (S - 5)$

$3S - 5 = 4S - 20$

$S = 15$

Son = 15 years

63. An ice compartment of a refrigerator is 6 Cm wide and 8 cm deep (long) and 5 cm high. The number of cubes of ice having an edge of 2 cm will there be in the compartment

(1) 80 (2) 30 (3) 24 (4) 20

Ans. **(2)**

Sol. No. of Ice cubes = $\frac{8 \times 6 \times 5}{2 \times 2 \times 2} = 30$

64. What is the least number of coins required to make one rupee from different coins of 1,5,10 and 25 paise , so that you have at least one coin of each type

(1) 11 (2) 12 (3) 7 (4) 4

Ans. (1)

Sol. 1 paise – 5 coins

5 paise – 2 coins

10 paise – 1 coin

25 paise – 3 coins

Total = 11 coins

65. If "STATION MASTERS MIND THE TRAIN' = 98. Then "SCHOOL MASTERS TRAIN THE MIND" = ?

(1) 96 (2) 85 (3) 99 (4) 72

Ans. (4)

Sol. If both the lines, "masters mind the train" is common.

Position sum of STATION is 98

Position sum of SCHOOL is 72

66. At what lime between 4 and 5 O'clock will the minute hand and hour hand of a clock be in opposite direction

(1) 40 minutes past 4 (2) $54\frac{6}{11}$ minutes past 4 (3) 42 minutes past 5 (4) $54\frac{4}{11}$ minutes past 5

Ans. (2)

Sol. Between 4 and 5

$|30H-\frac{11}{2}m| = 180°$

$|30(4)-\frac{11}{2}M| = 180°$

$\frac{11}{2}M = 300$

$M = \frac{600}{11} = 54\frac{6}{11}$ minutes

So, $54\frac{6}{11}$ minutes past 4.

67. The minute hand of a clock overtakes the hour hand at intervals of 65 minutes of the correct time. How much in a day does the clock gain or lose ?

(1) Lose $10\frac{10}{143}$ minutes (2) *Gain* $10\frac{10}{143}$ minutes (3) Gain $11\frac{10}{143}$ minutes (4) Lose $11\frac{10}{143}$ minutes

Ans. (2)

Sol. Two hands co-incide in every $65\frac{5}{11}$ minutes.

So, clock gains $\frac{5}{11}$ min in every 65 minutes.

In 65 min, it gains = $\frac{5}{11}$ min.

In 65 min, it gains = $\frac{5}{11\times 65}$ min.

In (24 × 60) min, it gains = $\frac{5}{11\times 65}\times 24\times 60 = 10\frac{10}{143}$ min.

Gains $10\frac{10}{143}$ m in in 1 day.

68. Any day in April is always on the same day of the week as the corresponding day in

(1) June (2) December (3) July (4) August

Ans. (3)

Sol. April - 30 days

May - 31 days

June - 30 days

Total = 91 days = 0 odd day.

There is 0 odd day from 1st April to 1st July.

69. On what dates of August 1980 did Tuesday fall?

(1) 2nd, 9th, 16th , 23rd, 30th (2) 3rd, 10th, 17th 24th, 31st

(3) 4th, 11th, 18th, 25th (4) 5th, 12th, 19th, 26th

Ans. (4)

Sol. 5th, 12th, 19th, 26th, August

70. Teena's income is 25% more than Meena. By what percent Meena's income is less than Teena

(1) 20 (2) 18 (3) 25 (4) 15

Ans. (1)

Sol. Meena's income = Rs.100

Teena's income = Rs.125

Difference = Rs. 25

Percentage by which Meens's income is less than by Teeena's = $\frac{25}{125}\times 100 = 20\%$

71. Find correct Conclusion from Statement

Statements : (I) Mohit is an artist

(II) Artists are beautiful

Conclusions :

(1) Mohit is not beautiful. (2) All beautiful Persons are artists.

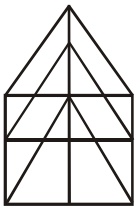
(3) Mohit is beautiful. (4) Beautiful Persons are not artists.

Ans. (3)

Sol. Correct conclusion is :

Mohit is beautiful.

72. How many triangles and parallelograms are in the given figure

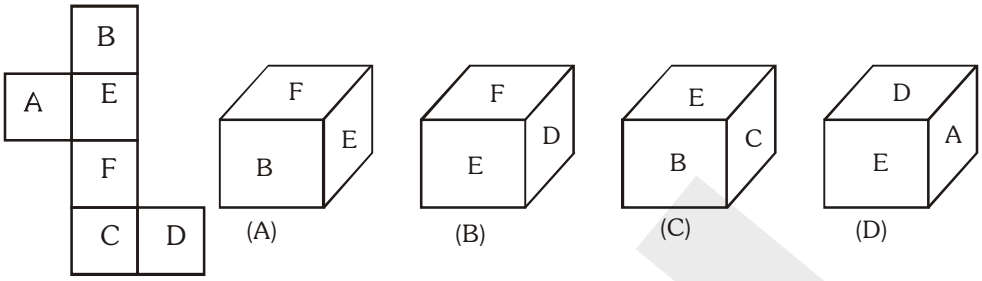


(1) 21,17 (2) 19,13 (3) 19, 17 (4) 21, 15

Ans. (1)

Sol. Triangles 21, parallelograms – 17

73. Select from the four alternatives, the box that can be formed by folding the sheet as shown in figure.



(1) B only (2) A only (3) A and C only (4) A,B,CandD

Ans. (1)

Sol. As B is opp to F, E is opposite to C, A is opposite to D.

So, options A, C, D are not possible

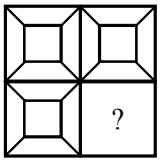
74. Find the Mirror Image of figure.

(1) PLƎDGE (2) ꟻLƎDGE (3) ꟻLEDGE (4) ꟻLƎDGE

Ans. (3)

Direction : In questions (75-77) find the correct alternative from the Answer figures to complete the question figures

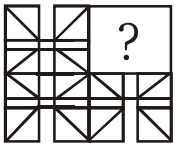
75.

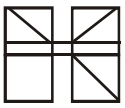
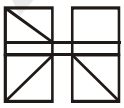
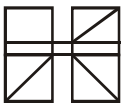
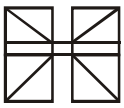


(1)  (2)  (3)  (4) 

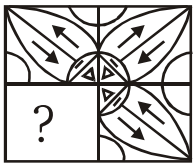
Ans. (2)

76.



(1)  (2)  (3)  (4) 

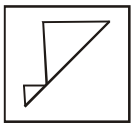
Ans. (4)

77. 

(1)  (2)  (3)  (4) 

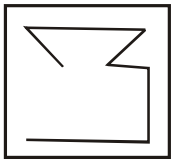
Ans. (4)

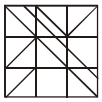
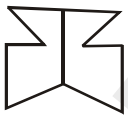
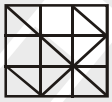
Direction - In questions (78-80), The question figure is embeded ,n one of the Answer figure. Find the alternative in which it is embeded.

78. 

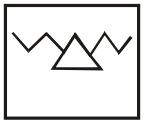
(1)  (2)  (3)  (4) 

Ans. (4)

79. 

(1)  (2)  (3)  (4) 

Ans. (1)

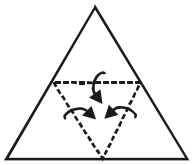
80. 

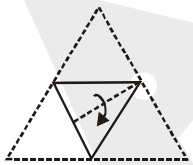
(1)  (2)  (3)  (4) 

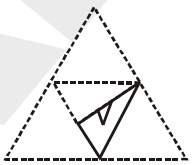
Ans. (4)

Direction - (Question 81-83) : Paper is folded as shown with the dotted lines in `X' & `Y' and the last figure `Z' has been cut. How would the paper look like when unfolded.

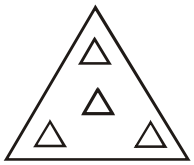
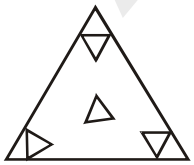
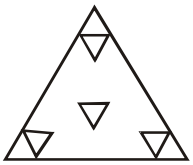
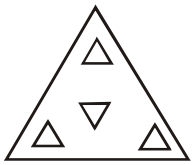
81. Question figure


X

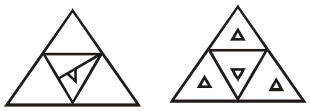

Y


Z

Answer figure

(1)  (2)  (3)  (4) 

Ans. (4)

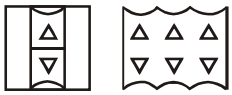
Sol. 

82. Question figure

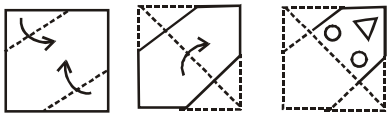
Figure figure

(1)  (2)  (3)  (4) 

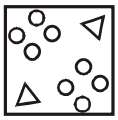
Ans. (3)

Sol. 

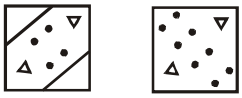
83. Questions figure



Answer figure

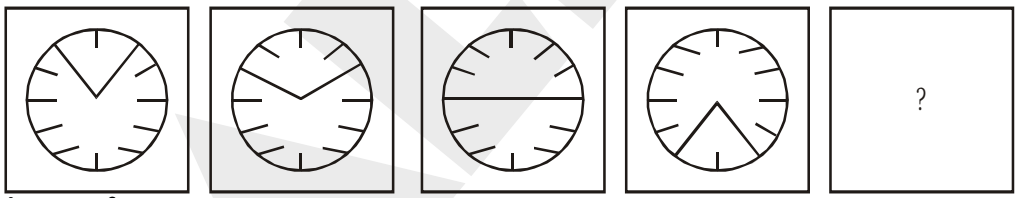
(1)  (2)  (3)  (4) 

Ans. (2)

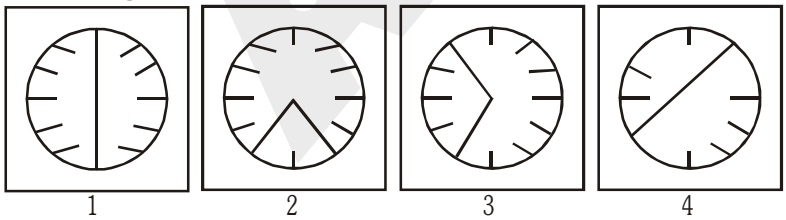
Sol. 

Direction - In questions (84-86), which figure among Alternatives will replace the question mark according to series.

Question Figure

84. 

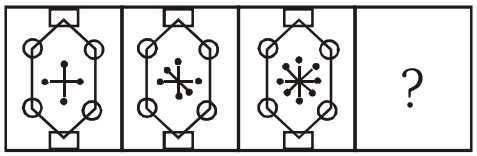
Answer figure



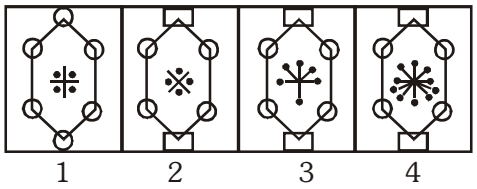
Ans. (2)

Sol. Hands are moving opp sides by one-one division.

85. Question figure



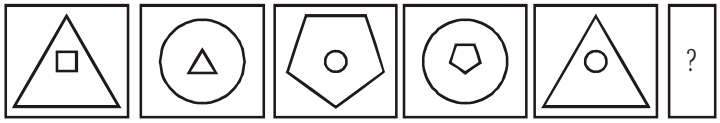
Answer figure



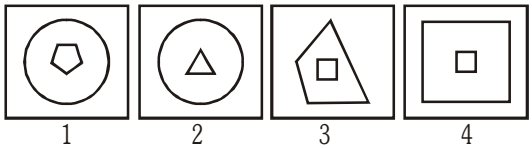
1 2 3 4

Ans. (4)

86. Question Figure



Answer figure

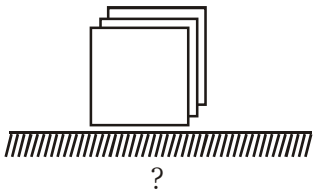


1 2 3 4

Ans. (2)

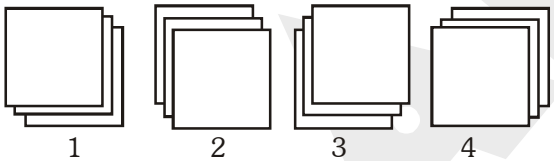
Direction : First rotate the figure by 90° in clockwise direction and then find out the water Image from the given.Alternatives.

87. Question Figure



?

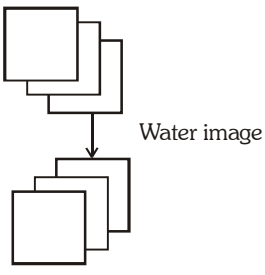
Answer Figure



1 2 3 4

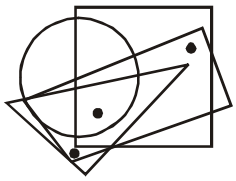
Ans. (4)

Sol.

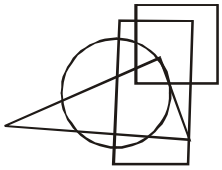
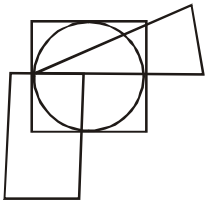
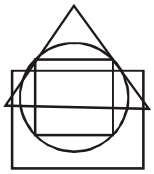
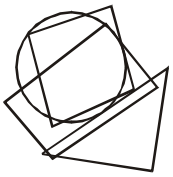


Direction - In questions (88-90) select the alternative which satisfy the same condition of placement of dots as shown in the figure

88. Question figure



Answer figure

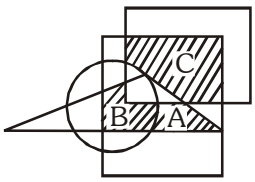
(1) 
(2) 
(3) 
(4) 

Ans. (1)

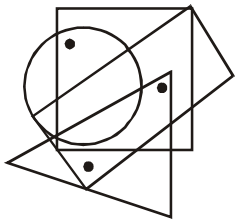
Sol. (A) Comon portion between rectangle and triangle.

(B) Comon portion between circle, triangle and rectangle.

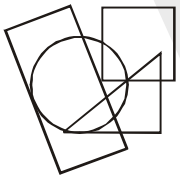
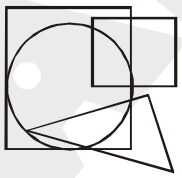
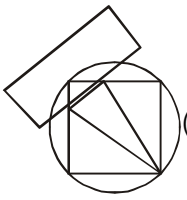
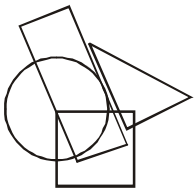
(C) Comon portion between square rectangle.



89. Question figure



Anser figure

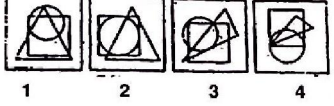
(1) 
(2) 
(3) 
(4) 

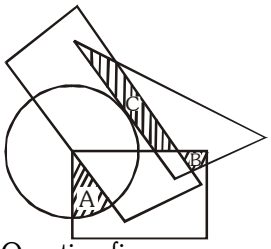
Ans. (4)

Sol. A $\rightarrow$ square and circle.

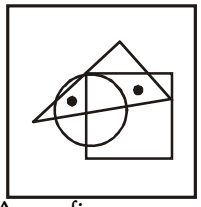
B $\rightarrow$ triangle and square.

C $\rightarrow$ rectangle and triangle.

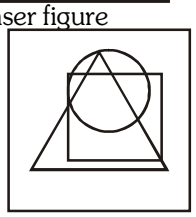
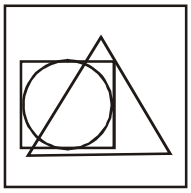
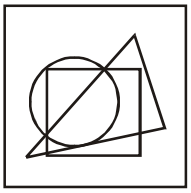




90. Question figure



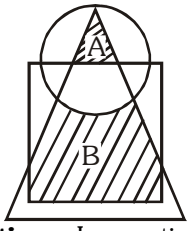
Anser figure

(1)  (2)  (3)  (4) 

Ans. (1)

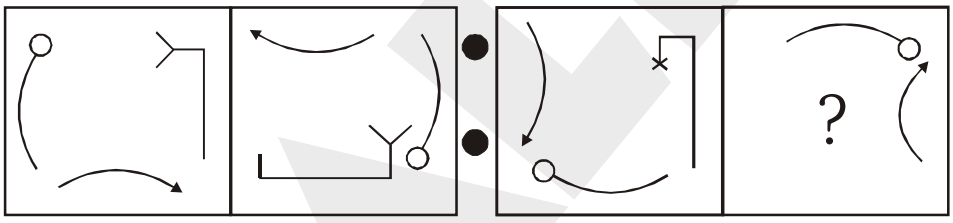
Sol. A → Circle and triangle.

B → Triangle and square.

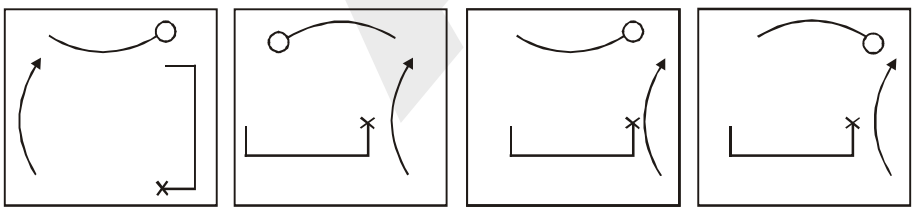


Direction - In question (91-93) figure A and B are related in some Particular Manner. Replace question mark for figure D, by developing same relationship between C and D as is between A & B

91. Question Figure



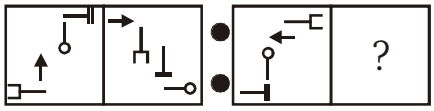
Answer Figure



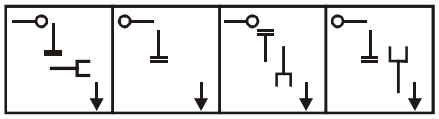
Ans. (4)

Sol. Only option (4) is resending to D.

92. Question Figure

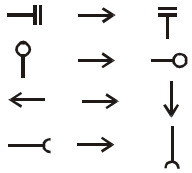


Answer Figure

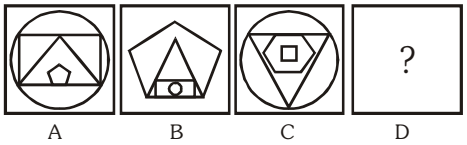


Ans. (3)

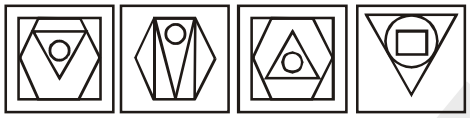
Sol.



93. Question Figure



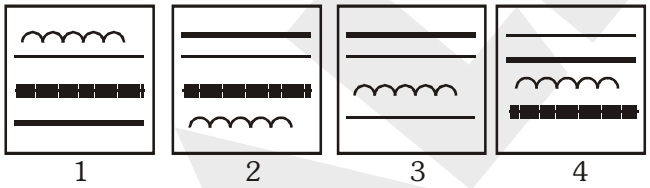
Answer Figure



Ans. (1)

Direction-In question (94-95) out of four figures, one figure is different, while the others are similar in some way. Find out the different figure.

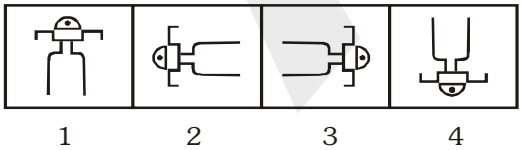
94.



(1) 1 (2) 2 (3) 3 (4) 4

Ans. (3)

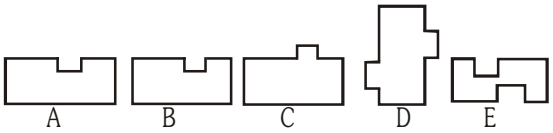
95.



(1) 1 (2) 2 (3) 3 (4) 4

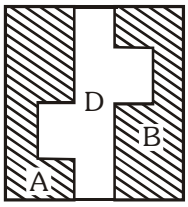
Ans. (4)

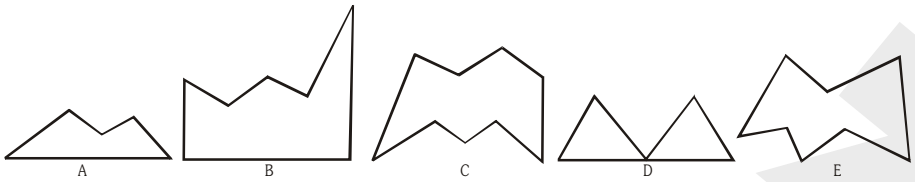
Direction : In question (96-97) Five diagrams A,B,C,D,E are given. Three out of these when put together make a square. Find the alternative which one has three such diagrams.

96. 

(1) A,B,D (2) A,C.D (3) B,D,E (4) B,C,E

Ans. (1)

Sol. 

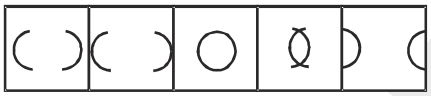
97. 

(1) A, B, D (2) B, C, D (3) A,B,C (4) C, D, E

Ans. (2)

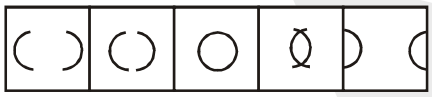
Sol. 

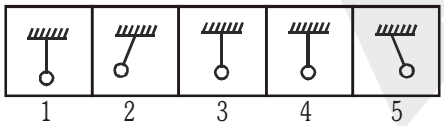
Direction- In questionsf 98-99} if two figures among five figures are interchanged then five figures arranged in certain order. Find among alternatives.

98. 

(1) 1,3 (2) 2,3 (3) 1,2 (4) 2,4

Ans. (3)

Sol. 

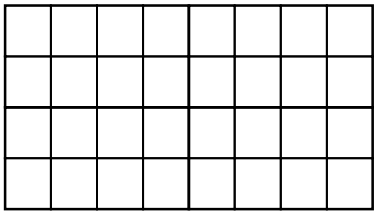
99. 

(1)4,5 (2)1.2 (3)2,3 (4)3,4

Ans. (1)

Sol. 

100. How many squares are in given figure.



(1) 32 (2) 48 (3) 78 (4)70

Ans. (4)

Sol. $8 \times 4 = 32$

$7 \times 3 = 21$

$6 \times 2 = 12$

$5 \times 1 = 5$

$= 70$