



**NATIONAL TALENT SEARCH EXAMINATION
(NTSE-2018) STAGE -1
STATE : TELANGANA PAPER : MAT**

Date: 04/11/2018

Max. Marks: 100

SOLUTIONS

Time allowed: 120 mins

Read the following instructions carefully before you answer the questions. Answers are to be SHADED on a SEPARATE OMR Answer sheet given, with a HB pencil. Read the Instructions printed on the OMR sheet carefully before answering the questions.

Please write you Centre Code No. and Roll no. very clearly (only one digit in one block) on the

Directions : Questions (1 to 10)

In the Number series given below, one Number is missing. Each series is followed by five alternatives (1), (2), (3), (4) and (5). One of them is the right answer. Identify and indicate it as per the "Instructions".

1. 4, 18, 48, 100,

- (1) 180 (2) 196 (3) 204 (4) 160 (5) 192

Ans. (1)

Sol. 4, 18, 48, 100, 180
↑ ↑ ↑ ↑ ↑
 4×1 9×2 16×3 25×4 36×5

2. 8, 15, ... , 53, 102, 199

- (1) 30 (2) 23 (3) 29 (4) 31 (5) 28

Ans. (5)

Sol. 8, 15, 28, 53, 102, 199
↑ ↑ ↑ ↑ ↑
 $\times 2 - 1$ $\times 2 - 2$ $\times 2 - 3$ $\times 2 - 4$ $\times 2 - 5$

3. 4, 9, 25, 49, ..., 169, 289, 361

- (1) 36 (2) 64 (3) 121 (4) 100 (5) 73

Ans. (3)

Sol. 4 9 25 49 121 169 289 361
↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑
 2^2 3^2 5^2 7^2 11^2 13^2 17^2 19^2

4. 430, 345, 270, 205, ...

- (1) 155 (2) 150 (3) 175 (4) 155 (5) 120

Ans. (2)

Sol. 430, 345, 270, 205, 150
 $\begin{array}{ccccccc} & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \\ \hline & -85 & -75 & -65 & -55 & & \end{array}$

5. 1, 1, 4, 8, 9, 27, ..., 64
 (1) 36 (2) 16 (3) 25 (4) 49 (5) 32

Ans. (2)

Sol. 1, 1, 4, 8, 9, 27, 16, 64
 $\begin{array}{cccccccc} \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow \\ 1^2 & 1^3 & 2^2 & 2^3 & 3^2 & 3^3 & 4^2 & 4^3 \end{array}$

6. 28, 25, 5, 21, 18, 5, 14, ...
 (1) 11, 5 (2) 11, 8 (3) 10, 7 (4) 5, 10 (5) 10, 5

Ans. (1)

Sol. 28, 25, 5, 21, 18, 5, 14, 11, 5
 $\begin{array}{cccccccc} & & \overbrace{\hspace{2cm}}^{-0} & & \overbrace{\hspace{2cm}}^{-0} & & & \\ & & | & & | & & & \\ & & \downarrow & & \downarrow & & & \\ & & -7 & & -7 & & -7 & & -7 \\ & & \uparrow & & \uparrow & & \uparrow & & \uparrow \\ & & -7 & & -7 & & -7 & & -7 \end{array}$

7. 13, 29, 15, 26, 17, 23, 19
 (1) 20, 21, (2) 21, 23 (3) 22, 20 (4) 20, 17 (5) 25, 27

Ans. (1)

Sol. 13, 29, 15, 26, 17, 23, 19, 20, 21
 $\begin{array}{cccccccc} \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow \\ +2 & & -3 & +2 & -3 & +2 & -3 & +2 \end{array}$

8. 70, 71, 76, ..., 81, 86, 70, 91
 (1) 96 (2) 70 (3) 80 (4) 71 (5) 95

Ans. (2)

Sol. 70, 71, 76, 70, 81, 86, 70, 91
 $\begin{array}{cccccccc} & & \overbrace{\hspace{2cm}}^{+10} & & \overbrace{\hspace{2cm}}^{+10} & & \overbrace{\hspace{2cm}}^{+10} & & \overbrace{\hspace{2cm}}^{+10} \\ & & | & & | & & | & & | \end{array}$

9. 1, 20, 58, ..., 191
 (1) 116 (2) 115 (3) 105 (4) 111 (5) 110

Ans. (2)

Sol. 1, 20, 58, 115, 191
 $\begin{array}{cccc} \boxed{} & \boxed{} & \boxed{} & \boxed{} \\ +19 & +38 & +57 & +76 \end{array}$

- 10.** 36, 34, 30, 28, 24, ...
 (1) 26 (2) 22 (3) 30 (4) 25 (5) 23

Ans. (2)

Sol. 36, 34, 30, 28, 24, 22
 $\begin{array}{ccccc} \boxed{} & \boxed{} & \boxed{} & \boxed{} & \boxed{} \\ -2 & -4 & -2 & -4 & -2 \end{array}$

Directions : Questions (11 to 15)

Questions have become wrong due to wrong order of signs. Choose the correct order of signs from the five alternatives given under each question.

- 11.** $5 - 0 \times 3 \div 5 = 20$
 (1) $= \times + -$ (2) $- + \times =$ (3) $+ - \times =$ (4) $\times + - =$ (5) $\div + - =$

Ans. (2)

Sol. $5 - 0 + 3 \times 5 = 20$
 $\Rightarrow 5 - 0 + 15 = 20$

- 12.** $3 - 3 \times 6 \div 6 + 2 = 12$
 (1) $+ \div \times - =$ (2) $\times \div - + =$ (3) $+ \times - \div =$ (4) $\times + - \div =$ (5) $= \times + - \div$

Ans. (4)

Sol. $3 \times 3 + 6 - 6 \div 2 = 12$
 $9 + 6 - 3 = 12$
 $15 - 3 = 12$

- 13.** $20 = 7 - 4 \times 8$
 (1) $= \times -$ (2) $- \times =$ (3) $+ \times =$ (4) $- = \times$ (5) $\times + =$

Ans. (1)

Sol. $20 = 7 \times 4 - 8$
 $20 = 28 - 8$
 $20 = 20$

- 14.** $20 = 4 + 6 = 11$
 (1) $\div = +$ (2) $+ \div =$ (3) $+ = \div$ (4) $\div + =$ (5) $= + \div$

Ans. (4)

Sol. $20 \div 4 + 6 = 11$
 $\Rightarrow 5 + 6 = 11$

- 15.** $6 = 5 \times 6 \div 36$
 (1) $+ \times =$ (2) $\times = +$ (3) $\times \div =$ (4) $\times = \div$ (5) $\times + =$

Ans. (1)

Sol. $6 + 5 \times 6 = 36$
 $\Rightarrow 6 + 30 = 36$

16. $7 \times 4 = 2 + 5$

(1) $- = \div$ (2) $\div - =$ (3) $\div = -$ (4) $\times - =$ (5) $= \div +$

Ans. (5)

Sol. $7 = 4 \div 2 + 5$
 $\Rightarrow 7 = 2 + 5$
 $\Rightarrow 7 = 7$

17. $8 + 4 = 7 - 5$

(1) $\div - =$ (2) $\times + -$ (3) $- = \div$ (4) $- \div =$ (5) $\div = -$

Ans. (5)

Sol. $8 \div 4 = 7 - 5$
 $2 = 2$

18. $11 \times 2 - 10 = 9$

(1) $= - \times$ (2) $= \times -$ (3) $\times + =$ (4) $\times - +$ (5) $\times \div =$

Ans. (2)

Sol. $11 = 2 \times 10 - 9$
 $11 = 20 - 9$
 $11 = 11$

19. $5 - 4 \times 7 = 13$

(1) $\times = -$ (2) $+ - =$ (3) $\times - =$ (4) $+ = -$ (5) $- + =$

Ans. (3)

Sol. $5 \times 4 - 7 = 13$
 $\Rightarrow 20 - 7 = 13$

20. $16 \div 4 = 2 \div 8$

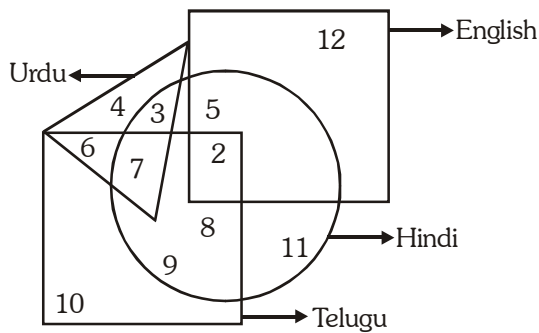
(1) $\div \times =$ (2) $\div = \times$ (3) $- = \times$ (4) $- + =$ (5) $+ = \times$

Ans. (1)

Sol. $16 \div 4 \times 2 = 8$
 $\Rightarrow 4 \times 2 = 8$

Directionis : Questions (21 to 25) :

In the following figure, small square represents the persons who know English, Triangle to those who know Urdu, big square to those who know Telugu and circle to those who know Hindi.



21. How many persons can speak English and Hindi both, the languages only?

- (1) 2 (2) 5 (3) 13 (4) 19 (5) 8

Ans. (2)

Sol. By observation.

22. How many persons can speak Urdu and Telugu both?

- (1) 13 (2) 10 (3) 11 (4) 9 (5) 17

Ans. (1)

Sol. By observation.

23. How many persons can speak only Hindi?

- (1) 10 (2) 4 (3) 12 (4) 19 (5) 11

Ans. (5)

Sol. By observation.

24. How many persons can speak English, Hindi and Telugu?

- (1) 4 (2) 2 (3) 7 (4) 8 (5) 3

Ans. (2)

Sol. By observation.

25. How many person can speak Hindi and Urdu only?

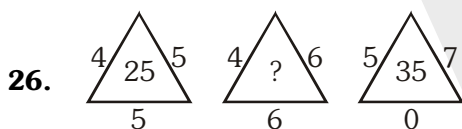
- (1) 4 (2) 6 (3) 7 (4) 3 (5) 10

Ans. (4)

Sol. By observation.

Directions : Question (26 to 30) :

In these question, numbers are placed on the basis of some rules. One place is vacant which is indicated as ? Find out the correct alternative to replace the question mark.

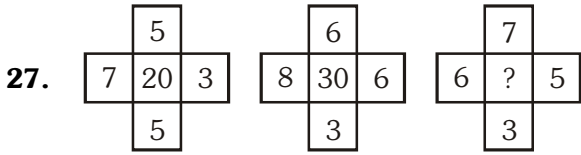


- (1) 30 (2) 36 (3) 24 (4) 28 (5) 35

Ans. (1)

Sol. $(4 \times 5) + 5$

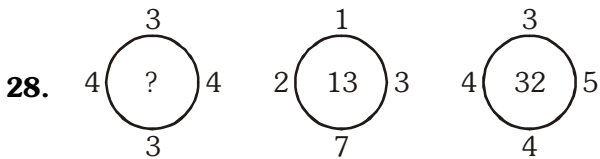
$$(4 \times 6) + 6 = 30$$



- (1) 57 (2) 27 (3) 21 (4) 51 (5) 40

Ans. (2)

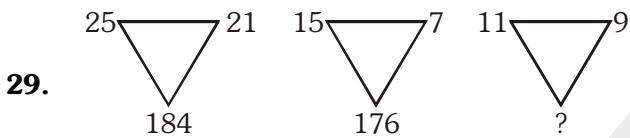
Sol. $(7 \times 5) - (3 \times 5) = 20$, $6 \times 7 - 5 \times 3 = 27$



- (1) 24 (2) 17 (3) 25 (4) 22 (5) 16

Ans. (3)

Sol. $(4 \times 4) + (3 \times 3) = 25$



- (1) 30 (2) 202 (3) 20 (4) 40 (5) 50

Ans. (4)

Sol. $(25)^2 - (21)^2 = 184$, $11^2 - 9^2 = 40$

30.

6	4	2
4	3	7
9	?	3

- (1) 6 (2) 12 (3) 7 (4) 10 (5) 5

Ans. (3 and 1)

Sol. Sum of all three Rows = sum of all three columns

$$6 + 4 + 2 = 2 + 7 + 3$$

$$4 + 3 + 7 = 4 + 3 + 7$$

$$9 + 7 + 3 = 6 + 4 + 9$$

Directions (Q.31 to 40) : Problem deals with is Relationship.

31. A and B is a married couple X and Y are brothers X is the brother of A. How is Y related to B?

- (1) Brother (2) Brother-in-law (3) Son (4) Cousin (5)

Ans. (2)

Sol. $\boxed{Y} - \boxed{X} - A = B$

32. If B's mother was A's mother's daughter, how was A related to B?

- (1) Maternal uncle (2) Father (3) Brother (4) Sister

Ans. (1)

Sol. $\begin{array}{c} \Delta \\ | \\ \boxed{A} - \Delta \\ | \\ B \end{array}$

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

- (1) Father (2) Mother (3) Uncle (4) Aunt

Ans. (3)

Sol. $\begin{array}{c} \boxed{A} - \boxed{B} \\ | \\ \textcircled{C} - \textcircled{D} - \square \end{array}$

34. If A is the brother of the son of B's son. How is A related B?

- (1) Son (2) Brother (3) Cousin (4) Grandson

Ans. (4)

Sol. $\begin{array}{c} \boxed{B} \\ | \\ \square \\ | \\ \square - \boxed{A} \end{array}$

35. B is the brother of C, A is sister of B, E is the brother of D, D is the daughter of C. Who are the cousins of B?

- (1) C and A (2) A and E (3) B and E (4) D and E

Ans. (NA)

36. If Ajit is the brother of the son of Sethi's son, what is the relationship between Ajit and Sethi?

- (1) Cousin (2) Grandson (3) Brother (4) Nephew

Ans. (2)

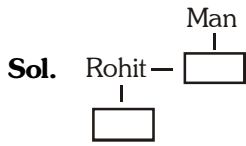
Sol. $\begin{array}{c} \text{Sethi} \\ | \\ \square \\ | \\ \boxed{\text{Ajit}} - \square \end{array}$

\therefore Ans \rightarrow Grandson.

37. Pointing to a man, Rohit said, "His son is my son's uncle". How is the man related to Rohit?

- (1) Brother (2) Uncle (3) Father (4) Grand father

Ans. (3)

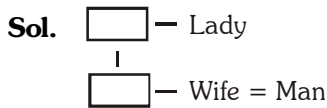


∴ Ans. (Uncle)

38. Pointing to a lady, a man said “The son of her only brother is the brother of my wife”. How is the lady related to the man?

- (1) Material aunt (2) Mother-in-law (3) Mother’s sister (4) Sister of father-in-law

Ans. (4)

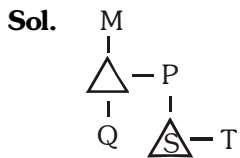


∴ Sister of father-in-law.

39. Q’s mother is sister of P and daughter of M, S is daughter of P and sister of ‘T’. How is M related to ‘T’?

- (1) Father (2) Grand mother (3) Grand father (4) Either Grand mother or Grand father

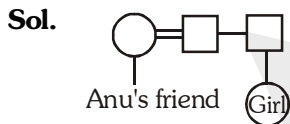
Ans. (4)



40. Anu told Mani, “The girl met yesterday at the beach was the youngest daughter of the brother-in-law of my friend’s mother”. How is girl related to Anu’s friend?

- (1) Cousin (2) Niece (3) Aunt (4) Friend

Ans. (1)



Directions (Q.41 to 50) : Choose alternatives as the answer (Series of small letter)

41. bc _ b _ c _ b _ ccb

- (1) cbc (2) bbcb (3) cbbc (4) bc bc

Ans. (1)

Sol. bc c b / b c c b / b ccb

∴ cbc

42. a _ c _ abb _ a _ bc _ bc _ ab
 (1) cbcaaa (2) bcccab (3) bccaac (4) acbabc

Ans. (3)

Sol. $a \frac{b}{c} c \frac{c}{abb} \frac{c}{a} \frac{a}{bc} \frac{a}{bc} \frac{c}{ab}$
 bccaac

43. a _ ba _ cbaac _ aa _ ba
 (1) ccbb (2) cabc (3) cccb (4) bbcc

Ans. (2)

Sol. $a \frac{c}{ba} \frac{a}{cba} \frac{b}{ac} \frac{a}{a} \frac{c}{ba}$
 \therefore cabc

44. aaa _ bb _ aab _ baaa _ bb
 (1) abab (2) bbba (3) babb (4) baab

Ans. (3)

Sol. $aaa \frac{b}{bb} \frac{a}{aab} \frac{b}{baa} \frac{b}{bb}$
 babb

45. _ bam _ amb _ m _ a _ bam
 (1) mbabm (2) abmab (3) mabma (4) ambbm

Ans. (1)

Sol. $\frac{m}{bam} \frac{b}{amb} \frac{a}{m} \frac{b}{a} \frac{m}{bam}$
 \therefore mbabm

46. _ abb _ abba _ ba
 (1) bbaab (2) abbba (3) baaaa (4) babab (5)

Ans. (NA)

47. _ b _ a _ ba _ b _ abab _ a
 (1) ababab (2) baabba (3) bbaabb (4) bababa (5)

Ans. (1)

Sol. $\frac{a}{b} \frac{b}{a} \frac{a}{b} \frac{b}{a} \frac{b}{ab} \frac{a}{ab} \frac{b}{a}$
 \therefore ababab

48. b _ ba _ bb _ aa _ bba
 (1) ababab (2) bababa (3) baabab (4) abbaba

Ans. (3)

Sol. $b \frac{b}{ba} \frac{a}{bb} \frac{a}{aa} \frac{b}{bba}$
 \therefore baabab

49. _ a _ bb _ ba _ bb _ aab

- (1) abbaba (2) aabbbb (3)bbabba (4) baaaab

Ans. (4)

Sol. $\underline{b}_a \underline{a}_{bb} \underline{a}_{ba} \underline{a}_{bb} \underline{a}_b \underline{b}_{aab}$
 \therefore baaaab

50. $\underline{\quad} b \underline{\quad} a \underline{\quad} bb \underline{\quad} ab \underline{\quad} bbaa$

- (1) abaaba (2) ababab (3) babbab (4) bbaabb

Ans. (3)

Sol. $\underline{b}_b \underline{a}_a \underline{b}_{bb} \underline{b}_a \underline{ab}_b \underline{bbaa}$
 \therefore babbab

Directions (Q.51 to 60) :

51. If Z = 2197 and R = 729. How would J be written in that code?

- (1) 216 (2) 124 (3) 512 (4) 125

Ans. (4)

Sol. $Z = 2197$ $Z = 26$ $26/2 = (13)^3$
 $R = 729$ $R = 18$ $18/2 = (9)^3$
 $J = 10$ $10/2 = 5$ $\Rightarrow 5^3$
 $\Rightarrow 125$

52. If PRIVATE is a coded as 1234567 and RISK is coded as 2398, how is RIVETS coded?

- (1) 234679 (2) 243769 (3) 234769 (4) 234976

Ans. (3)

Sol. PRIVATE RISK
 1234567 2398
 \therefore RIVETS
 234769

53. In a certain code, LAKSHMI is coded as 32. How can SHIVA be coded?

- (1) 18 (2) 16 (3) 19 (4) 20

Ans. (3)

Sol. Square of each letters, numbers and simplify to one digit then add all simplified numbers to find code.

54. If in a certain language, MADRAS is coded as NBESBT, how is BOMBAY coded in that code?

- (1) CPNCBX (2) CPNCBZ (3) CPOCBZ (4) CQOCBZ

Ans. (2)

Sol. MADRAS \rightarrow $\overset{+1}{N} \overset{+1}{B} \overset{+1}{E} \overset{+1}{S} \overset{+1}{B} \overset{+1}{T}$
 B O M B A Y
 $+1 \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow$
 C P N C B Z

55. If VICTORY is coded as YLFWRUB, how can SUCCESS be coded?
 (1) VXEEIVV (2) VXFFHVW (3) VYEEHVW (4) VYFFIVV

Ans. (2)

Sol. V I C T O R Y

+3 +3 +3 +3 +3 +3
 Y L F W R U B

SUCCESS $\xrightarrow{+3}$ VXFFHVW

56. If ENGLAND is written as 123456 and FRANCE is written as 785291, how is GREECE coded?
 (1) 381171 (2) 381191 (3) 832252 (4) 835545

Ans. (2)

Sol. ENGLAND FRANCE

1234526 785291

GREECE

381191

Directions (Q.57 to 60) : The number in each question below is to be codified in the following code.

Digit	7	2	1	5	3	9	8	6	4
Letter	W	L	M	S	I	N	D	J	B

57. 184632
 (1) MDJBSI (2) MDJBIL (3) MDJBWL (4) MDBJIL

Ans. (4)

Sol. 184632 According to given code conditions

1 = m ; 8 = D ; 4 = B = 6 = J ; 3 = I ; 2 = L

MDBJIL

58. 879341
 (1) DWNIBS (2) DWNBIM (3) DWNIBM (4) NDWBIM

Ans. (3)

Sol. 879341

8 = D ; 7 = W ; 9 = N ; 3 = I ; 4 = B ; 1 = M

So code is - DWNIBM

59. 64928
 (1) JBNLD (2) JBLND (3) BJNLD (4) DBNLS

Ans. (1)

Sol. 64928

6 = J ; 4 = B ; 9 = N ; 2 = L ; 8 = D

Code is - JBNLD

60. 23549

- (1) LISBJ (2) LISBN (3) LSINB (4) LSIMW

Ans. (2)

Sol. 23549

$$2 = L ; 3 = I ; 5 = S ; 4 = B = 9 = N$$

Code is - LISBN

Directions (Q.61 to 70) : Find the correct alternatives.

61. AG : IO :: EK : ...

- (1) LR (2) MS (3) PV (4) SY

Ans. (2)

Sol. AG : IO :: EK : MS



62. ACE : FHJ :: OQS : ...

- (1) PRT (2) RTU (3) TVX (4) UWY

Ans. (3)

Sol. ACE : FHJ :: OQS : TVX



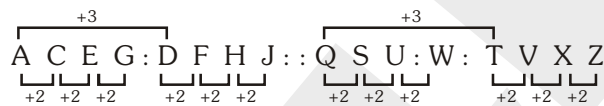
So TVX

63. ACEG : DFHJ :: QSUW : ...

- (1) KMND (2) MNPR (3) TQST (4) TVXZ

Ans. (4)

Sol. ACEG : DFHJ :: QSUW : TVXZ



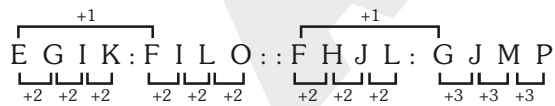
So, TVXZ

64. EGIK : FILO :: FHJL : ...

- (1) GHMP (2) GMJP (3) GJMP (4) JGPM

Ans. (3)

Sol. EGIK : FILO :: FHJL : GJMP



So, GJMP

65. CAT : DDY :: BIG : ...

- (1) CLL (2) CLM (3) CML (4) CEP

Ans. (1)

Sol. C A T : D D Y :: B I G : C L L

So, CLL

66. ODOMETER : MILEAGE :: COMPASS :

- (1) SPEED (2) HIKING (3) NEEDLE (4) DIRECTION

Ans. (4)

Sol. Odometer is device related to Mileage in the same way compass is device related to direction.

67. MARATHON : RACE :: HIBERNATION :

- (1) WINTER (2) BEAR (3) DREAM (4) SLEEP

Ans. (4)

Sol. Marathan is related to Race; in the same way Hibernation is related to Sleep.

68. CUP : COFFEE :: BOWL :

- (1) DISH (2) SOUP (3) SPOON (4) FOOD

Ans. (2)

Sol. Cup is container related to coffee; in the same way Bowl is container related to Soup.

69. REPTILE : LIZARD :: FLOWER :

- (1) PETAL (2) STEM (3) DAISY (4) ALLIGATOR

Ans. (3)

Sol. Reptile is species related to Lizard; in the same way flower having category of Daisy.

70. PLAY : ACTOR :: CONCERT :

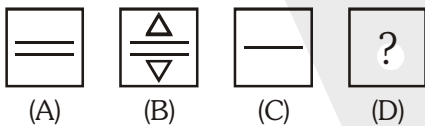
- (1) SYMPHONY (2) MUSICIAN (3) PIANO (4) FERCUSSION

Ans. (2)

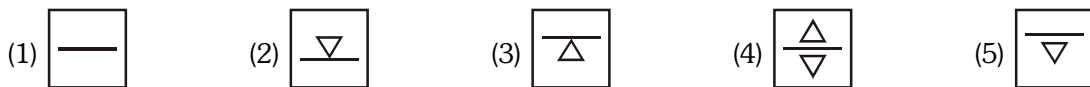
Sol. Play is related to Actor in the same way concert is related to Musician.

Directions (Q.71 to 80) : In each of the following questions, figures (A) and (B) have a definite relationship, find out from (1), (2), (3), (4) and (5). The figure that has a similar relationship with figure (C).

71. Problem figure:



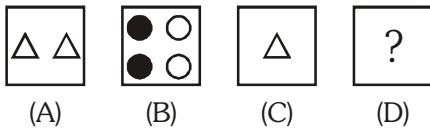
Answer figures



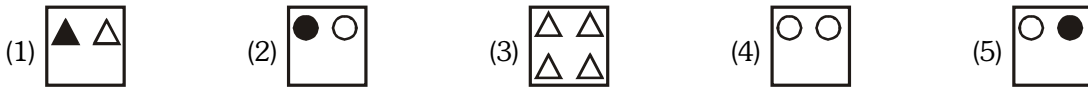
Ans. (4)

Sol. By observation

72. Problem figure:

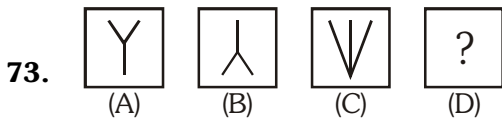


Answer figure



Ans. (2)

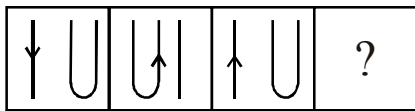
Sol. By observation



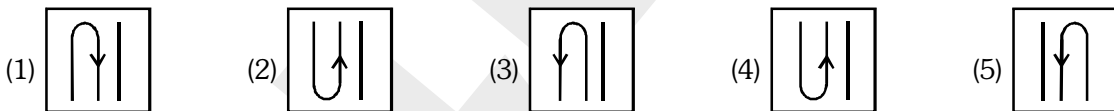
Ans. (3)

Sol. By observation

74. Problem figure



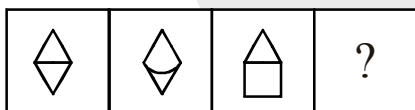
Answer figure



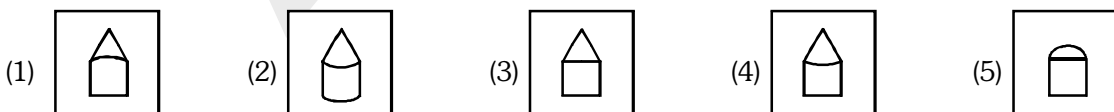
Ans. (1)

Sol. By observation

75. Problem figure



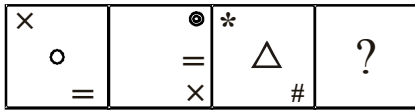
Answer figure



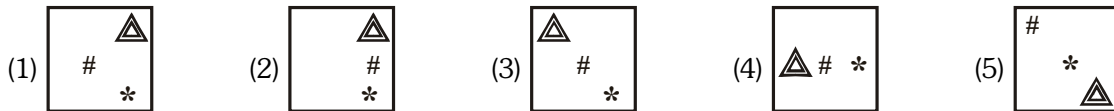
Ans. (4)

Sol. By observation

76. Problem figure



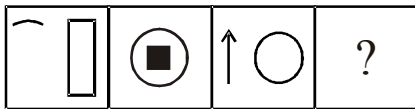
Answer figure



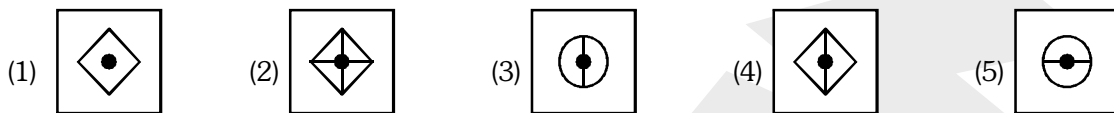
Ans. (2)

Sol. By observation

77. Problem figure



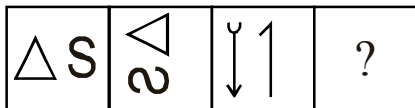
Answer figure



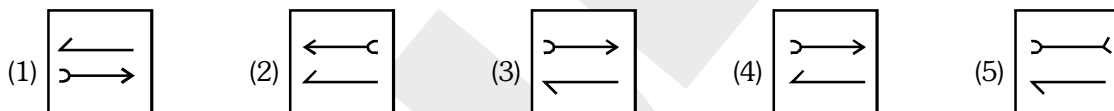
Ans. (4)

Sol. By observation

78. Problem figure



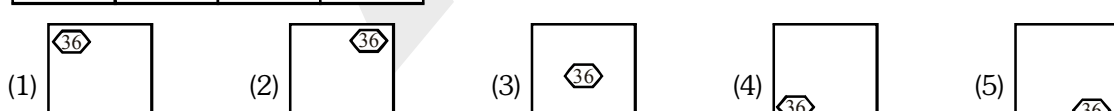
Answer figure



Ans. (4)

Sol. By observation

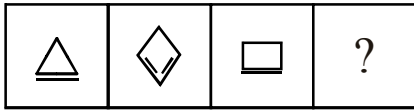
79. Problem figure



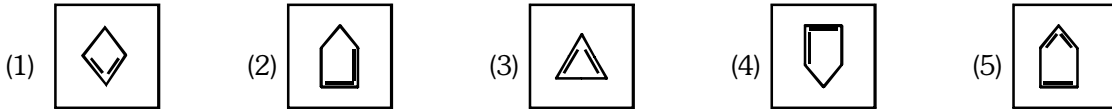
Ans. (2)

Sol. By observation

80. Problem figure



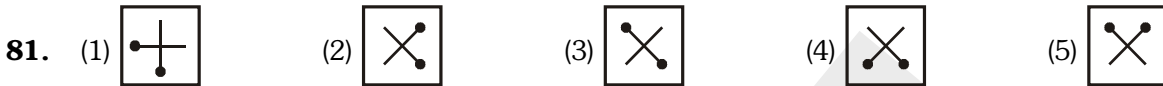
Answer figure



Ans. (5)

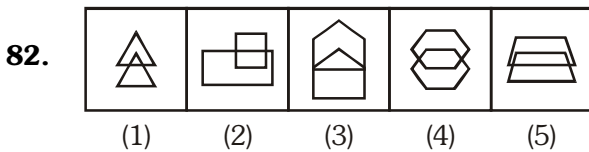
Sol. By observation

Direction Questions (81 to 90) : Out of the five figures (1), (2), (3), (4) and (5) given in each problem, four are similar in a certain way. Choose the figures which is different from the other figures.



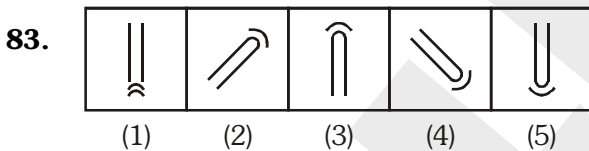
Ans. (3)

Sol. By observation



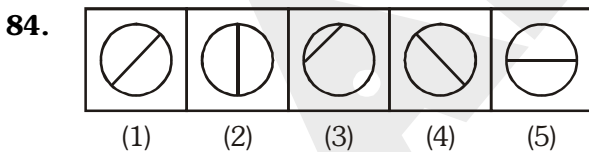
Ans. (2)

Sol. All other figures are simmliar



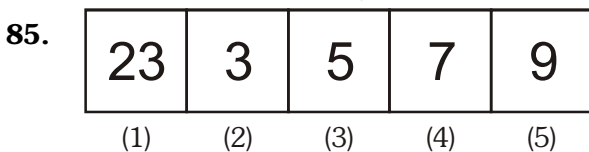
Ans. (1)

Sol. All other figures are simmliar



Ans. (3)

Sol. All other figures are divided into two equal parts.



Ans. (5)

Sol. Composite and perfect square number.

86.

A	F	Z	E	N
---	---	---	---	---

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

Ans. (4)

Sol. All other figures are made by three lines.

87.

V	W	ΛΛΛ	VVV	WWW
---	---	-----	-----	-----

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

Ans. (3)

Sol. By observation

88.

Я	G	B	2	Σ
---	---	---	---	---

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

Ans. (5)

Sol. All other figures made by curves.

89.

--	--	--	--	--

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

Ans. (4)

Sol. Both circles (shaded and unshaded) are same side of line.

90.

×	○	●	×	×	×	×	●	○	×
●	×	×	○	●	○	○	×	×	●

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

Ans. (3)

Sol. By observation

Directions : Questions (91 to 100) :

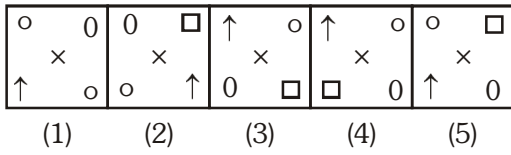
Each of the following questions consists of five figure marked A, B, C, D and E called the problem figures, followed by five alternatives marked 1, 2, 3, 4 and 5 called the answer figures. Select a figure which will continue the same series established by the five problem figures.

91. Problem Figures

↑	○	○	0	0	×	×	□	□	↑
×		□	↑	0	□	0	○	0	↑
□	0	↑	×	○	□	0	↑	×	○

(A) (B) (C) (D) (E)

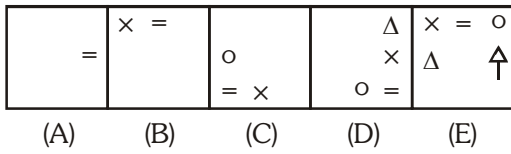
Answer Figures



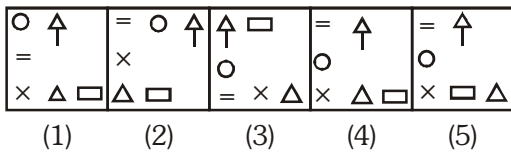
Ans. (4)

Sol. By observation

92. Problem Figures



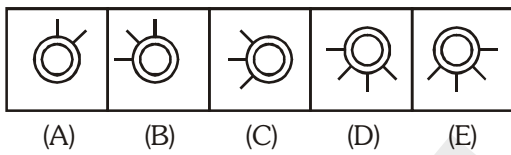
Answer Figures



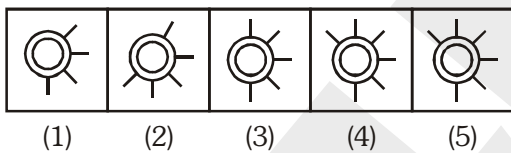
Ans. (1)

Sol. By observation.

93. Problem Figures



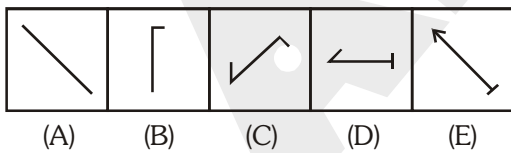
Answer Figures



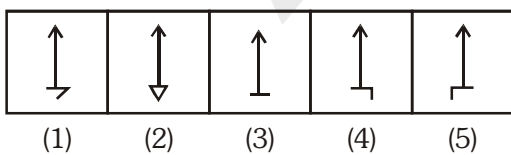
Ans. (3)

Sol. By observation

94. Problem Figures



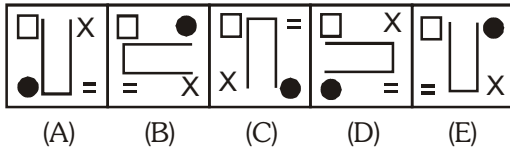
Answer Figures



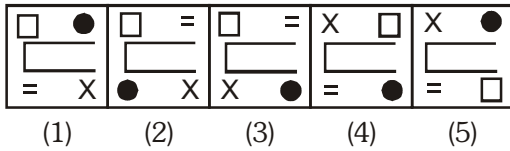
Ans. (5)

Sol. By observation

95. Problem Figures



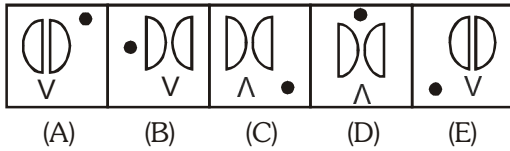
Answer Figures



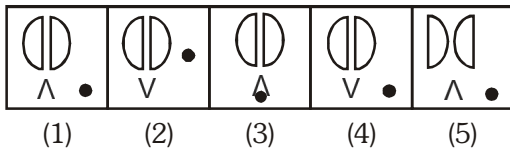
Ans. (3)

Sol. By observation

96. Problem Figures



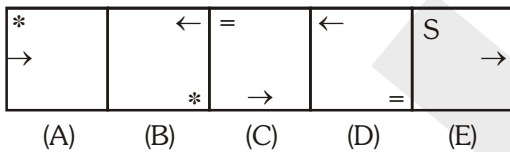
Answer Figures



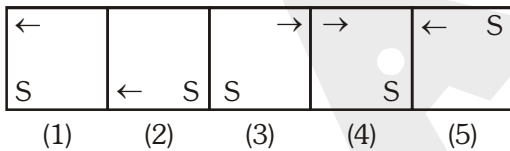
Ans. (2)

Sol. By observation

97. Problem Figures



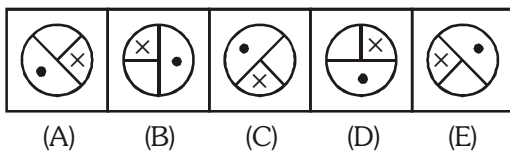
Answer Figures



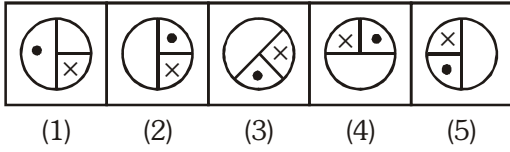
Ans. (2)

Sol. By observation

98. Problem Figures



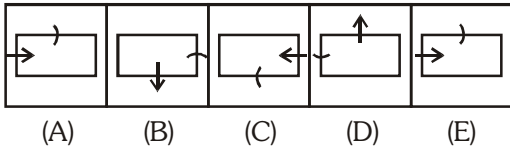
Answer Figures



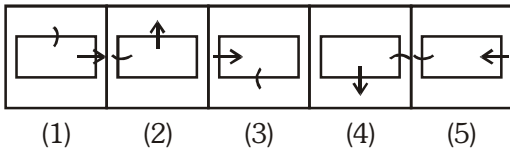
Ans. (1)

Sol. By observation

99. Problem Figures



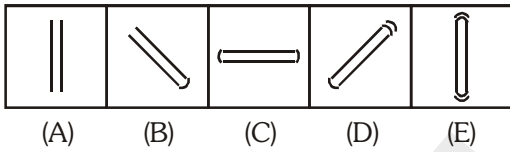
Answer Figures



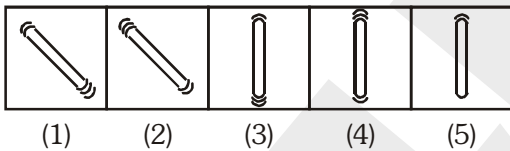
Ans. (4)

Sol. By observation

100. Problem Figures



Answer Figures



Ans. (2)

Sol. By observation