

NATIONAL TALENT SEARCH EXAMINATION-2019-20, Andra Pradesh

MENTAL ABILITY TEST (MAT) PAPER & HINTS & SOLUTION

Direction: In Question nos. 1 to 10: There are four terms in each question. The term right to symbol: have some relationship as the term of the left to the symbol: and out of the four, one term is missing, which is among one of the given four alternatives, find the correct alternatives.

1. Gir : Gujarat : : Kaziranga : _

(1) Assam

(2) Kerala

(3) Bengal

(4) Bihar

Ans. (1)

Sol. Kaziranga national park is situated in assam

2. PMG: SIX:: TIN:

(1) SEE

(2) WEB

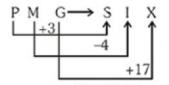
(3) WEE

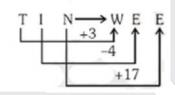
(4) BEE

Ans. (3)

Sol.

PMG: SIX:: TIN: WEE





3. P.V. Sindhu: Badminton: Deepak Puniya:

(1) Boxing

(2) Wrestling

(3) Cricket

(4) Hockey

Ans. (2)

Sol. Wrestling

Deepak puniya is famous for wrestling.

4. Durand Cup: Football:: Uber cup:

(1) Chess

(2) Cricket

(3) Hockey

(4) badminton

Ans. (4)

Sol. Badminton

Uber cup is a award related to Badminton





5. Earth : Moon : : ____ : Phobos

(1) Mars

(2) Mercury

(3) Jupiter

(4) Venus

Ans. (1)

Sol. Mars

Mars natural satellite is Phobos.

6. Doctor: Patient:: Lawyer:

(1) Client

(2) Accused

(3) Customer

(4) Magistrate

Ans. (1)

Sol. By observation

7. Chandrayan: 2019:: Mangalyan:

(1)2020

(2) 2016

(3) 2017

(4) 2014

Ans. (4)

Sol. Mangalyan is a space probe orbiting mars since

8. Factory : : Production : : School : _____

(1) Education

(2) Discipline

(3) Teacher

(4) Building

Ans. (1)

Sol. Education

Factory gives us production, school gives us equation.

9. AFC : DIF : : BED : _____

(1) CGF

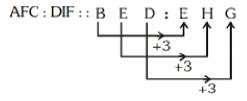
(2) EIG

(3) EHG

(4) EGH

Ans. (3)

Sol. EHG







10. EART : CCPV : : BATH : _____

(1) DZJR

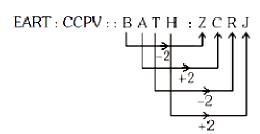
(2) CDBA

(3) ZCRJ

(4) DCBA

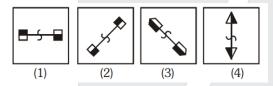
Ans. (3)

Sol. ZCRJ



Direction: In Question nos. 11 to 20: Out of the four figures (1), (2), (3), (4) given in each question, three are similar in a certain way. Choose the figure which is different from the other figures.

11. Choose the figure which is different from the rest.



(1) 1

(2) 3

(3) 2

(4) 4

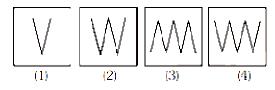
Ans. (2) 3

Sol.



In all other figures shaded part is on opposite side.

12. Choose the figure which is different from the rest.



(1) 1

(2) 3

(3) 2

(4) 4

Ans. (2) 3

Sol. This figure have different direction from other.

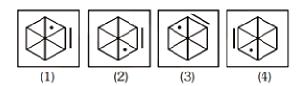


Corporate Office: CG Tower, A-46 & 52, IPIA, Near City Mall, Jhalawar Road, Kota (Raj.)- 324005 PCCP Head Office: Plot No. A-51 [A], IPIA, Near Resonance CG Tower; Contact: 0744-6635569, 2777769

Website: www.pccp.resonance.ac.in | E-mail: pccp@resonance.ac.in



13. Choose the figure which is different from the rest.



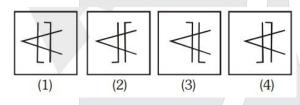
- (1)4
- (2) 2

- (3) 3
- (4) 1

Ans. (2)2

Sol. In all other fig (') dot is place previous from line.

14. Choose the figure which is different from the rest.



(1)2

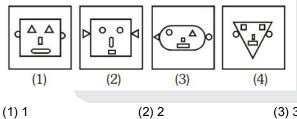
(2) 3

- (3)4
- (4) 1

(3)4Ans.

Sol. By observation

15. Choose the figure which is different from the rest.



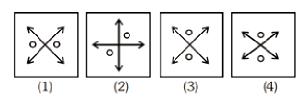
(2)2

- (3) 3
- (4) 4

Ans. (3) 3

Sol. All other figures have same eyes. But this figure have different eye.

16. Choose the figure which is different from the rest.

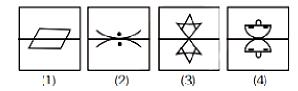


- (1) 4
- (2)2
- (3) 1
- (4) 3





- Ans. (1) 4
- Sol. By observation
- 17. Choose the figure which is different from the rest.



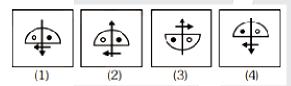
(1) 4

(2) 1

- (3) 3
- (4) 2

Ans. (2) 1

- Sol. All other figures have mirror image.
- 18. Choose the figure which is different from the rest.

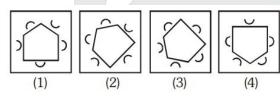


- (1) 3
- (2) 2
- (3) 1

(4) 4

Ans. (2) 2

- Sol. All other figures have arrow in same side.
- 19. Choose the figure which is different from the rest.



- (1) 3
- (2) 1

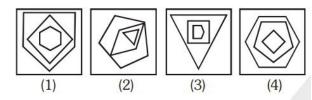
- (3) 2
- (4) 4

Ans. (3) 2

Sol. By observation



20. Choose the figure which is different from the rest.



- (1) 2
- (2) 1

- (3) 3
- (4) 4

Ans. (2) 1

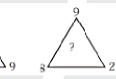
Sol. By observation.

Direction: In Question nos. 21 to 30: In these questions, numbers are arranged on the basis of some rules. One place is vacant, which is indicated as "?". Find out the coorect alternatives to replace the question mark "?".

21.



(2) 77



(3) 56

(4) 74

Ans. (4)

Sol. $4 \times 3 + 6 = 18$

(1)72

 $5 \times 7 + 9 = 44$

 $9 \times 8 + 2 = 74$

22.



- (1)118
- (2) 114
- (3) 121
- (4) 115

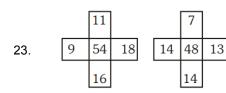
Ans. (1)

Sol. $2^3 - 7 = 1$

 $3^3 - 7 = 20$

 $4^3 - 7 - 54$

 $5^3 - 7 = 118$

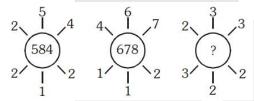


14 12 36 ?

- (1) 4
- (2)9
- (3) 3
- (4) 11

Ans. (3)

24.



- (1) 649
- (2)691
- (3) 964
- (4) 694

Ans. (4)

Sol.

- $3 \times 2 = 6$
- $3 \times 3 = 9$
- $2 \times 2 = 4$

16 1 8

25.

(1) 4

(2) 3

(3)2

(4) 1

Ans. (4)



Corporate Office: CG Tower, A-46 & 52, IPIA, Near City Mall, Jhalawar Road, Kota (Raj.)- 324005 PCCP Head Office: Plot No. A-51 [A], IPIA, Near Resonance CG Tower; Contact: 0744-6635569, 2777769

Website: www.pccp.resonance.ac.in | E-mail: pccp@resonance.ac.in | Toll Free: | 1800 258 5555 | CIN: U80302RJ2007PLC024029

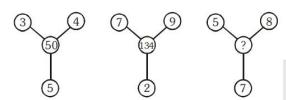
Sol. $1^2 = 1$

$$8^2 = 64$$

$$4^2 = 16$$

$$7^2 = 49$$

26.



(1) 144

(2) 138

(3) 140

(4) 136

Ans. (2)

Sol.
$$5^2 + 8^2 + 7^2 = 138$$

27.

3	2	1
6	5	4
7	8	9
39	38	?

(1)35

(2)36

(3) 37

(4) 41

Ans. (1)

Sol. $9 \times 4 - 1 = 35$

28.



(1) 74



(2)46



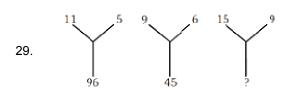
(3)56

(4)72

Ans. (3)

Sol. $8 \times (9-2) = 8 \times 7 = 56$

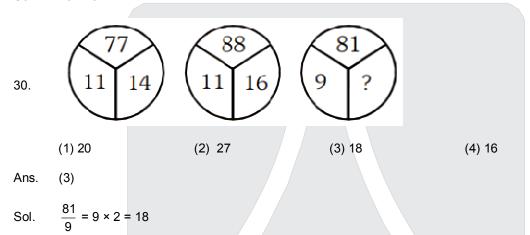




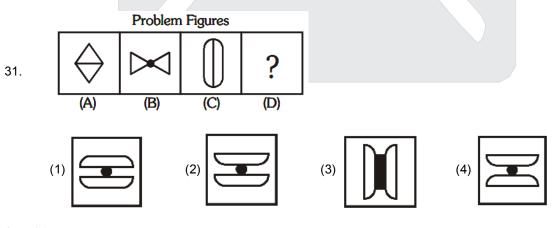
- (1) 138
- (2) 144
- (3) 140
- (4) 135

Ans. (2)

Sol.
$$15^2 - 9^2 = 144$$



Direction: In question nos. 31 to 40: The following questions consists of two sets of figures A, B, C and D constitute the problem set while figures 1, 2, 3, and 4 constitute the answer set. A definite relationship exists between figures A and B. You are required to establish a similar relationship between figures C and D by choosing a suitable figure D from the answer set.

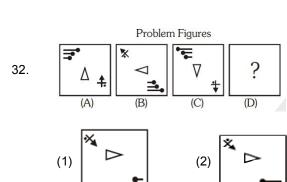


Ans. (4)

Sol. By observation

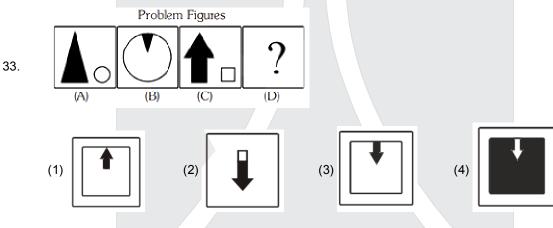






Ans. (3)

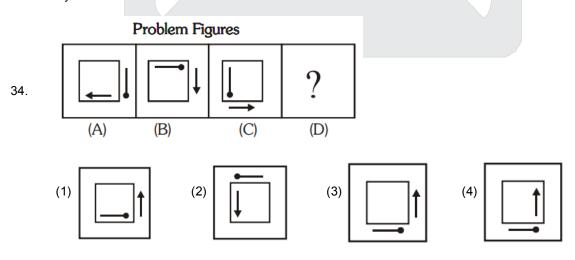
Sol. By observation



(3)

Ans. (3)

By observation Sol.



Ans. (4)

Sol. By observation



Corporate Office: CG Tower, A-46 & 52, IPIA, Near City Mall, Jhalawar Road, Kota (Raj.)- 324005 PCCP Head Office: Plot No. A-51 [A], IPIA, Near Resonance CG Tower; Contact: 0744-6635569, 2777769

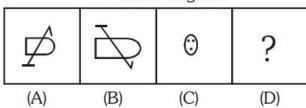
Website: www.pccp.resonance.ac.in | E-mail: pcc

Toll Free: | 1800 258 5555 | CIN: U80302RJ2007PLC024029



Problem Figures

35.



(1)



(2)



(3)

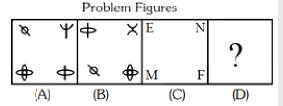




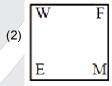
Ans. (1)

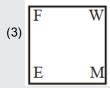
Sol. By observation

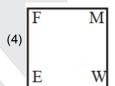
36.



(1) M





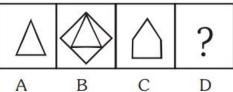


Ans. (3)

Sol. By observation

Problem Figures

37.



(1)



(2)



(3)





Ans.

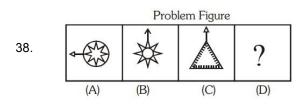
Sol. By observation

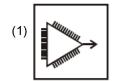
Corporate Office: CG Tower, A-46 & 52, IPIA, Near City Mall, Jhalawar Road, Kota (Raj.)- 324005 PCCP Head Office: Plot No. A-51 [A], IPIA, Near Resonance CG Tower; Contact: 0744-6635569, 2777769

Website: www.pccp.resonance.ac.in | E-mail: pc

Toll Free: | 1800 258 5555 | CIN: U80302RJ2007PLC024029











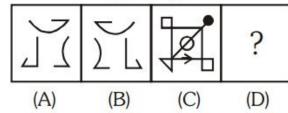


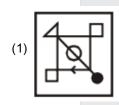
Ans. (1)

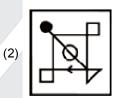
39.

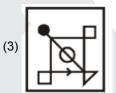
Sol. By observation

Problem Figure







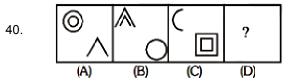


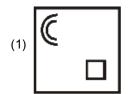


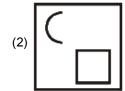
Ans. (2)

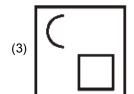
Sol. By observation

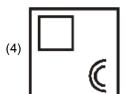
Problem Figures















Ans. (4)

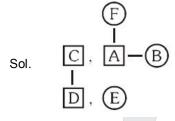
Sol. By observation

Direction: In question nos. 41 to 45: Read the following and answer the questions given below:

In a united family. There are six members

- (i) They are A, B, C, D, E and F.
- (ii) A and B are married couple
- (iii) A is a male member
- (iv) D is the only son of C, who is the brother of A.
- (v) E is the sister of D.
- (vi) B is the daughter in law of F, whose husband has died.
- 41. How many male members are there in the family?
 - (1) Three
- (2) Four
- (3) One
- (4) Two

Ans. (1)



- 42. How is F related to C?
 - (1) Sister-in-law
- (2) Sister
- (3) Mother
- (4) Mother –in-law

Ans. (3)

- 43. Who is C to B?
 - (1) Brother
- (2) Son
- (3) Nephew
- (4) Brother-In-law

Ans. (4)

- 44. How is F related to A?
 - (1) Sister-in-law
- (2) Sister
- (3) Mother-in-law
- (4) Mother

Ans. (4)

- 45. How is E related to C?
 - (1) Mother-in-law
- (2) Daughter
- (3) Mother
- (4) Sister



Corporate Office: CG Tower, A-46 & 52, IPIA, Near City Mall, Jhalawar Road, Kota (Raj.)- 324005 PCCP Head Office: Plot No. A-51 [A], IPIA, Near Resonance CG Tower; Contact: 0744-6635569, 2777769

Website: www.pccp.resonance.ac.in | E-mail: pccp@resonance.ac.in
Toll Free: | 1800 258 5555 | CIN: U80302RJ2007PLC024029



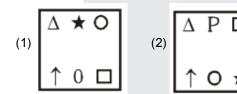
Ans. (2)

Direction: In question nos. 46 to 55: Each of the following questions consists of the five figures marked A, B, C, D and E called the problem figures followed by four alternatives marked 1, 2, 3, and 4 called the answer figures. Select a figure which will continue the same series established by the five problem figures.

46. Problem Figure:



Answer Figure:



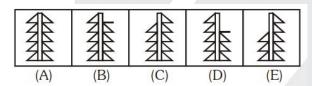




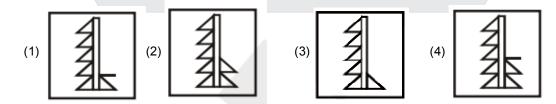
Ans. (4)

Sol. By observation

47. Problem Figure:



Answer Figure:



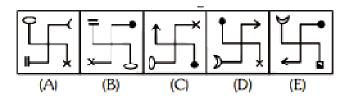
Ans. (4)

Sol. By observation Sol.

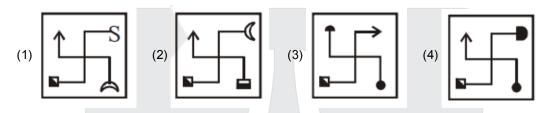




48. Problem Figure:



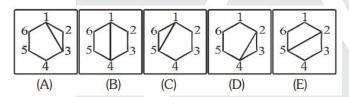
Answer Figure:



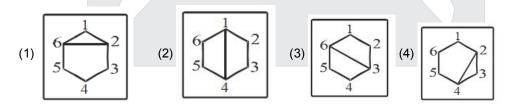
Ans. (1)

Sol. By observation Sol.

49. Problem Figure:



Answer Figure:

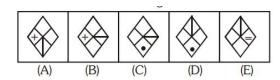


Ans. (1)

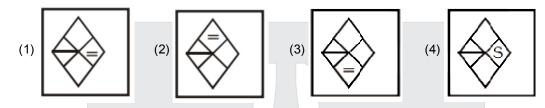
Sol. By observation



50. Problem Figure:



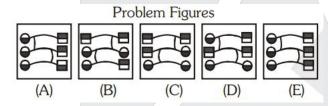
Answer Figure:



Ans. (1)

Sol. By observation

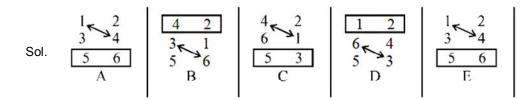
51. Problem Figure:



Answer Figure:

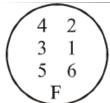


Ans. (1)







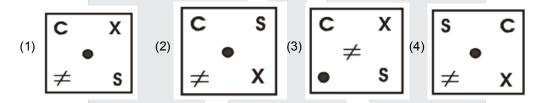


Also, series is following $\begin{picture}(100,0) \put(0,0){\line(0,0){100}} \put(0,0){\line(0,0){1$

Problem Figures

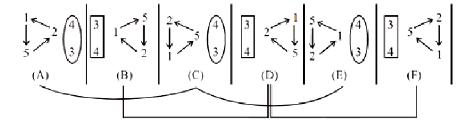
52. $\begin{bmatrix} X & \neq \\ & S \\ & & C \end{bmatrix} \begin{bmatrix} C & \bullet \\ & X \\ & \neq & S \end{bmatrix} \begin{bmatrix} S & \neq \\ & \bullet \\ & X & C \end{bmatrix} \begin{bmatrix} C & X \\ & S \\ & \neq & \bullet \end{bmatrix} \begin{bmatrix} \bullet \\ & S \end{bmatrix}$

Answer Figure:



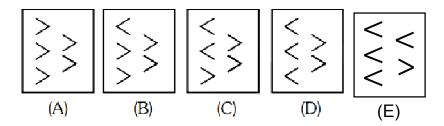
Ans. (2)

Sol.

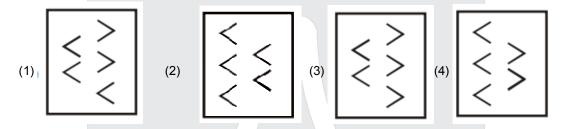




53. Problem Figures



Answer Figures



Ans. (2)

Sol. One by one all figure are changing

54. Problem Figure:



Answer Figure:



Ans. (1)

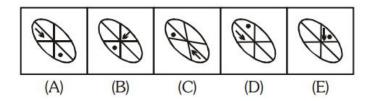
Sol. Dark part is rotating clockwise.

Black Δ is rotating anticlockwise

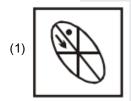
White Δ is rotating clockwise

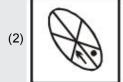


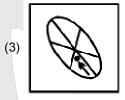
55. Problem Figures

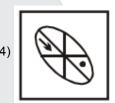


Answer Figures









Ans. (2)

Sol. \downarrow is moving 2 steps clockwise.

is moving 1 step clockwise

Direction: Questions (56 to 65): In each of the following questions, a letter series is given, in which some letters are missing. The missing letters are given the proper sequence as one fo the alternatives. Find the correct alternative.

56. _ABA _ BA _ AB

(1) BBABA

(2) ABBAB

(3) BAABB

(4) ABBBA

Ans. (2)

Sol. $\underline{A}\underline{B}|\underline{A}\underline{B}|\underline{A}\underline{B}|\underline{A}\underline{B}|\underline{A}\underline{B}|\underline{A}\underline{B}$

57. A _ BAB _ AB _ ABB

(1) ABB

(2) AAA

(3) BBA

(4) BBB

Ans. (4)

Sol. $A \underline{B} B | A B \underline{B} | A B \underline{B} | A B B$

58. PQR _ RSPRS _ SPO _

(1) RPQSO

(2) SQPQR

(3) QRSPQ

(4) SPQPQ

Ans. (2)

Sol. PQRS|QRSP|RSPQ|SPQR



Corporate Office: CG Tower, A-46 & 52, IPIA, Near City Mall, Jhalawar Road, Kota (Raj.)- 324005 PCCP Head Office: Plot No. A-51 [A], IPIA, Near Resonance CG Tower; Contact: 0744-6635569, 2777769

Website: www.pccp.resonance.ac.in | E-mail: pccp@resonance.ac.in



59. _ op _ mo _ n _ _ pnmop _

(1) mnompn

(2) mpnmop

(3) mnpmon

(4) mnpomn

(3) Ans.

Sol. \underline{m} op \underline{n} | m op \underline{n} | m op \underline{n} | m op \underline{n}

60. _BAA_BBB_AB_

(1) AABB

(2) BAAB

(3) ABAB

(4) BBAB

Ans. (4)

Sol. <u>B</u>BAA<u>B</u>B|BB<u>A</u>AB<u>B</u>

61. $W_V_X_V_W_V_X_V$

(1) XWVXWV

(2) VWXVWX

(3) WVWXWX

(4) XWWWXW

Ans. (4)

Sol.

62. AC _ CAB _ BACA _ ABA_ACAC

(1) BCBB

(2) BABB

(3) AACB

(4) ACBC

Ans. (3)

Sol. ACACABAB|ACACABAB|ACAC

63. ABB _ _ AB _ B_BBA_A

(1) BBBAB

(2) BBABB

(3) ABAAB

(4) BABBA

Ans. (1)

Sol. ABB<u>B</u>|AB<u>B</u>B|ABB|AB|A

64. C_BBA_CAB_AC_AB_AC

(1) ACBCB

(2) BABCC

(3) ABCBC

(4) BCACB

Ans. (1)

CAB|BAC|CAB|BAC|CAB|BAC Sol.

UV_V_UWV_UV_VUU_WVU 65.

(1) VUWVUW (2) UVWVUW

(3) WUVUWV

(4) WVVUWV

Ans. (3)

 $\cup \vee W \vee \vee | \cup \vee W \vee \vee | \cup \vee W \vee \cup | \cup \vee W \vee \cup |$ Sol.



Corporate Office: CG Tower, A-46 & 52, IPIA, Near City Mall, Jhalawar Road, Kota (Raj.)- 324005 PCCP Head Office: Plot No. A-51 [A], IPIA, Near Resonance CG Tower; Contact: 0744-6635569, 2777769

Website: www.pccp.resonance.ac.in | E-mail: pcc Toll Free: | 1800 258 5555 | CIN: U80302RJ2007PLC024029



Questions (66 to 70): Some letters are given in column I and some digits are given in column II represents any letter of column I. Study the columns and write the alternative letter after choosing the correct alternative against the corresponding question.

Column-I	Column-II
DMBQZ	67024
ANYQD	84917
MBTYC	58603
TQCNM	54316
BDZAT	72509
ZQYAB	48902
QNTYM	41586
YBTCZ	80532
ZNMAC	29631
MTQYZ	46528

66.	The product	of the codes D and N is	

(1)21

(2)7

(3)5

(4) 8

Ans. (2)

Sol. By observation

D = 7, N = 1

 $D \times N = 7$

67. The code for M is _____

(1) 4

(2)5

(3) 6

(4) 2

Ans. (3)

Sol. By observation

M = 6

68. The sum of the codes T and Q is _____

(1) 12

(2) 11

(3) 10

(4) 9

Ans. (4)

Sol. By observation

T = 5, Q = 4

T + Q = 9



Corporate Office: CG Tower, A-46 & 52, IPIA, Near City Mall, Jhalawar Road, Kota (Raj.)- 324005 PCCP Head Office: Plot No. A-51 [A], IPIA, Near Resonance CG Tower; Contact: 0744-6635569, 2777769

Website: www.pccp.resonance.ac.in | E-mail: pccp@resonance.ac.in | Toll Free: | 1800 258 5555 | CIN: U80302RJ2007PLC024029



69. The code for T is ____

(1) 3

(2)6

(3)5

(4) 8

Ans. (3)

Sol. By observation

T = 5

70. The code for A is _____

(1)9

(2) 3

(3) 0

(4) 8

Ans. (1)

Sol. By observation

A = 9

Direction: In Question nos. 71 to 80: Questions have become wrong due to wrong order of signs. Choose the correct order of signs from the four alternatives given under each question, so that the equation becomes right . Write it in your answer sheet against the corresponding question number.]

71. $17 = 3 + 43 \times 8$

 $(1) \times = +$

(3) -= +

(4) + - =

Ans. (1)

Sol. $17 \times 3 = 43 + 8$

51 = 51

72. $6 - 3 = 12 \div 6$

 $(1) \times = +$

(2) = + -

(3) - = +

 $(4) + = \div$

Ans. (1)

Sol. $6 \times 3 = 12 + 6$

18 = 18

73. 5 = 4 + 11 - 9

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

Ans. (1)

 $5 \times 4 = 11 + 9$ Sol.

20 = 20



74.
$$48 + 8 \div 8 = 2$$

$$(1) - \div =$$

$$(2) = + \times$$

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

$$(4) \div = -$$

Ans. (4)

Sol.
$$48 \div 8 = 8 - 2$$

$$6 = 6$$

75.
$$30 \div 26 \times 8 = 7$$

$$(1) - + =$$

$$(3) + = \times$$

$$(4) \times - =$$

Ans. (3)

Sol.
$$30 + 26 = 8 \times 7$$

76.
$$4 \times 9 = 6 + 1$$

$$(1) = - +$$

$$(2) + - =$$

$$(3) \times - +$$

$$(4) = + -$$

Ans. (1)

Sol.
$$4 \times 9 = 6 + 1$$

Change sign acc. To option (1)

$$4 = 9 - 6 + 1$$

77.
$$6 + 12 = 48 - 24$$

$$(1) + - =$$

$$(2) \div = +$$

$$(3) + = \div$$

$$(4) \times - =$$

Ans. (4)

Sol.
$$6 + 12 = 48 - 24$$

$$6 \times 12 - 48 = 24$$
 (after sign change)

$$72 - 48 = 24$$

$$24 = 24$$

78.
$$22 = 14 + 48 - 12$$

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

$$(2) + = -$$

$$(3) \times = -$$

$$4) = + \div$$

Ans. (2)



Corporate Office: CG Tower, A-46 & 52, IPIA, Near City Mall, Jhalawar Road, Kota (Raj.)- 324005 PCCP Head Office: Plot No. A-51 [A], IPIA, Near Resonance CG Tower; Contact: 0744-6635569, 2777769

Toll Free: | 1800 258 5555 | CIN: U80302RJ2007PLC024029



Sol.
$$22 = 14 + 48 - 12$$

$$22 + 14 = 48 - 12$$
 (after sign change)

$$36 = 36$$

79.
$$3 \times 8 = 19 \div 5$$

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

$$(2) = + -$$

$$(3) \times = +$$

$$(4) \div = \times$$

Ans. (3)

Sol.
$$3 \times 8 = 19 \div 5$$

$$\Rightarrow$$
 3 × 8 = 19 + 5 (after sign change)

80.
$$59 - 21 \times 8 = 10$$

$$(1) -= +$$

$$(2) = + -$$

$$(3) + = \times$$

$$(4) -= \times$$

Ans. (3)

Sol.
$$59 - 21 \times 8 = 10$$

$$\Rightarrow$$
 59 + 21 = 8 × 10 (after sign change)

Direction: In Question nos. 81 to 90: In the number series given below, one number is missing. Each series is followed by four alternatives (1), (2),(3) and (4). One of them is the right answer. Identify and indicate it as per the "Instructions".

Áns. (3)

Sol.

$$(4) - 3$$

Ans. (3)



Corporate Office: CG Tower, A-46 & 52, IPIA, Near City Mall, Jhalawar Road, Kota (Raj.)- 324005 PCCP Head Office: Plot No. A-51 [A], IPIA, Near Resonance CG Tower; Contact: 0744-6635569, 2777769

Website: www.pccp.resonance.ac.in | E-mail: pccp@resonance.ac.in Toll Free: | 1800 258 5555 | CIN: U80302RJ2007PLC024029



Sol. 14, 11, 13, 10, 12, 9, ? 11

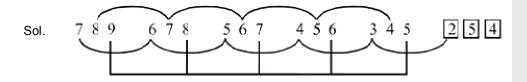
- 83. 0, 6, 24, 60, 120, _____
 - (1)216
- (2) 196
- (3)206
- (4)210

Ans. (4)

$$1^3 - 1$$
, $2^3 - 2$, $3^3 - 3$, $4^3 - 4$, $5^3 - 5$, $6^3 - 6 = 210$

- 84. 789, 678, 567, 456, 345, _____
 - (1)234
- (2) 111
- (3)254
- (4)244

Ans. (1)



- 85. 6, 24, 60, 120,
 - (1)224
- (2)180
- (3)210
- (4)240

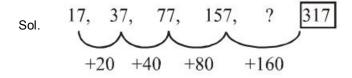
Ans. (3)

Sol. 6, 24, 60, 120, ? (210)

$$2^3 - 2$$
, $3^3 - 3$, $4^3 - 4$, $5^3 - 5$, $6^3 - 6$

- 86. 17, 37, 77, 157, _____
 - (1)347
- (2) 317
- (3)217
- (4) 417

Ans. (2)



- 87. 4, 32, 8, 64, 16, 128,____
 - (1) 156
- (2) 48
- (3) 32
- (4)64

Ans. (3)

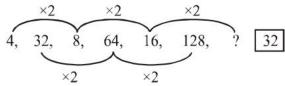


Corporate Office: CG Tower, A-46 & 52, IPIA, Near City Mall, Jhalawar Road, Kota (Raj.)- 324005 PCCP Head Office: Plot No. A-51 [A], IPIA, Near Resonance CG Tower; Contact: 0744-6635569, 2777769

Website: www.pccp.resonance.ac.in | E-mail: pccp@resonance.ac.in | Toll Free: | 1800 258 5555 | CIN: U80302RJ2007PLC024029



Sol.



88. 0, 9, 21, 36, 54, _____

- (1)77
- (2)75
- (3)69
- (4) 144

Ans. (2)

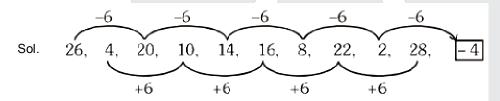
Sol. 9, 21, 36, 54, ? +9, +12, +15, +18, +21 +3, +3, +3, +3

89. 26, 4, 20, 10, 14, 16, 8, 22, 2, 28, ____

- (1)34
- (2)6

- (3) 4
- (4) 6

Ans. (3)



90. 12, 15, 27, 42, 69, 111, ____

- (1) 164
- (2) 174
- (3) 180
- (4) 160

Ans. (3)

Sol. 12, 15, 27, 42, 69, 111, ?

12 + 15 = 27

15 + 27 = 42

27 + 42 = 69

42 + 69 = 111

∴ 111 + 69 = 180



Direction: In Question nos. 91 to 95 some letters are given in column I and some digits are given in column II. Each digit of column II represents any letter of column I. Study the columns and write the alternative letter choosing the correct alternaive against the corresponding question.

Column-I	Column-II		
AMRVT	65479		
RTHIB	46128		
MRBZI	86317		
IAMRV	85679		
HIBZA	39218		
MRTAB	47961		
MVRTH	47526		
RZIBH	38621		
BZIRV	83156		
IMVRH	75826		
The code I is (1) 7	(2) 1	(3) 2	(3) 8
(4)			
The code for 'I' is 8			
By observation			
The code for H is	_/		
(1) 1	(2) 3	(3) 2	(4) 6
(4)			
The coe for H is '2'			
The code for Z is	_		
(1) 2	(2) 8	(3) 1	(4) 3
(4)			

Ans. (4)

91.

Ans.

Sol.

92.

Ans.

Sol.

93.

Sol. The code for z is '3'

94. The sum of the codes H and Z is _____

(1)5

(2)6

(3) 10

(4)9

Ans. (1)





Sol.	sum of code 'H' and co	ode 'Z'			
	'2' + '3' (from above Q – 92 & Q 93)				
	⇒ '5'				
95.	The code for A is				
	(1) 9	(2) 8	(3) 3	(4) 6	
Ans.	(1)				
Sol.	The code for 'A' is '9'				
	Q. 96 to Q. 100				
	A, C, E (Teach) (Doctor) (adv.	ightarrow tea to coffee.			
Direction follows		6 to 100 : Read the follow	ving information carefully	and answer the questions that	
(i) Ther	e is a group of five pers	sons A, B, D and E.			
(ii) One	of them is Teacher, on	e is a Doctor, one is a jou	ırnalist, one is an lindust	rialist and one is an advocate.	
(iii) Thre tea.	ee of them-A, C and ad	lvocate prefer tea to coffe	ee and two of them-B and	d the journalist proefer coffee to	
(iv) The	e industrialist and D and	A are friends to one and	other but two of these pre	efer coffee to tea.	
(v) The	teacher is C's brother.				
96.	Which of the above sta	atements is superfluous?			
	(1) ii	(2) iii	(3) v	(4) None	
Ans.	(4)				
97.	Which of the following groups includes a person who likes tea but is not an advocate?				
	(1) A, C	(2) B, C	(3) B, D	(4) A, B	
Ans.	(1)				
98.	Who is an industrialist?				
	(1) E	(2) C	(3) B	(4) D	
Ans. (3)				



Corporate Office: CG Tower, A-46 & 52, IPIA, Near City Mall, Jhalawar Road, Kota (Raj.)- 324005 PCCP Head Office: Plot No. A-51 [A], IPIA, Near Resonance CG Tower; Contact: 0744-6635569, 2777769

Website: www.pccp.resonance.ac.in | E-mail: pccp@resonance.ac.in
Toll Free: | 1800 258 5555 | CIN: U80302RJ2007PLC024029





99. Who is teacher?

(1) B

(2) A

(3) C

(4) D

Ans. (2)

100. Who is a doctor?

(1) C

(2) D

(3) A

(4) B

Ans. (1)

Sol. (96 to 100)

(Teacher) (Doctor) (Advocate)

Α,

C,

 $\mathsf{E} \longrightarrow \mathsf{Tea} \ \mathsf{to} \ \mathsf{coffee}$

 $\begin{array}{ccc} \mathsf{B}, & \mathsf{D} & \longrightarrow & \mathsf{Coffee} \ \mathsf{to} \ \mathsf{Tea} \\ \mathsf{(Industrilist)} \ \mathsf{(Journlist)} \end{array}$

