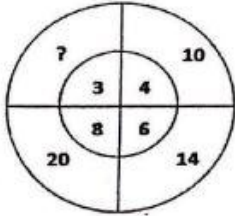


Sno	Answer Key	Question	Solution
1	c	What comes next in the series 3, 20, 63, 144, 275?	Use: $(n \times n) (2n+1)$ and $n = 1.2.3.4.5.6$
2	d	What comes next in the series 8, 12, 18, 27, A. 60.75 B. 62 C. 58 D. 60.5	$(8 \times 3) \div 2 = 12$ $(12 \times 3) \div 2 = 18$ $(18 \times 3) \div 2 = 27$ $(27 \times 3) \div 2 = 40.5$
3	d	What comes next in the series 8, 29, 113, 449, A. 673 B. 984 C. 1484 D. 1793	$8 \times 4 - 3 = 29$ $29 \times 4 - 3 = 113$ $113 \times 4 - 3 = 449$ $449 \times 4 - 3 = 1793$
4	C	$2/3, 4/7, ?, 11/21, 16/31$ A. $5/9$ B. $6/11$ C. $7/13$ D. $9/11$	$2 + 2 = 4$ & $3 + 4 = 7$ so $4/7$ $4 + 3 = 7$ & $7 + 6 = 13$ so $7/13$ $7 + 4 = 11$ & $13 + 8 = 21$ so $11/21$ $11 + 5 = 16$ & $21 + 10 = 31$ so $16/31$ increment in numerator is increasing by 1 every time like 2,3,4,5 Increment in denominator is increasing by 2 every time like 4,6,8,10
5	C	Choose the missing term from the given option N5V, K7T, ???, E14P, B19N A. H9R B. H10Q C. H10R D. I10R	1st letter: N (-5) L (-5) H (-5) E (-5) B (-5) 2nd number: 5 (+3) 7 (+3) 10 (+3) 14 (+4) 19 (+5) 3rd letter: V (-2) K (-2) H (-2) P (-2) Letters and numbers in given alphanumeric series follows this pattern
6	D	Choose the missing term from the given option J2Z, K4X, 17V, ?, H16R, M22P A. I11T B. L11S C. L12T D. L11T	The first letters in odd numbered terms from series J, I, H and in even numbered terms from the series K, L, M. The sequence followed by the numbers is + 2, + 3, + 4, + 5, + 6. The third letter of each term is moved two steps backward to obtain the third letter of the next term.
7	C	Choose the missing term from	The first letter of each term is moved three

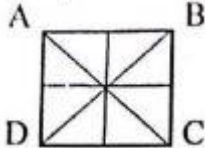
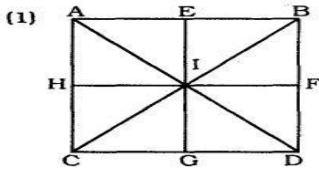
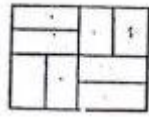
		<p>the given option C4X, F9U, 116R, ?</p> <p>A. K25P B. L25P C. L25O D. L25P</p>	<p>steps forward and the last letter is moved three steps backead to obtain the corresponding letters of the next term. The numbers from the sequence $2^2, 3^2, 4^2, 5^2$.</p>																
8	C	<p>Choose the missing term from the given option AB, DEF, HIJK, ?, STUVWX</p> <p>A. LMNO B. LMNOP C. MNOPQ D. QRSTU</p>	<p>The number of letters in the terms goes on increasing by 1 at each step. Each term consists of letters in alphabetical order. The last letter of each term and the first letter of the next term are alternate.</p>																
9	B	<p>Choose the missing term from the given option</p> <p>AYBZC,DWEXF,GUHVJ,JSKTL,____</p> <p>A. MQORN B. MQNRO C. NQMOR D. QMONR</p>	<p>MQNRO ...LAST TERM OF PREVIOUS AND FIRST TERM OF NEXT ARE CONSECUTIVE.SO AFTER L ITS M SO 1ST TERM IS M THE THE SEQUESNCE IS NEXT ALPHABET IS THE ALTRNATE PLACES SO M--N--O FIXED.FOR THE BLANKS Y-2=W,W- 2=U LIKE THAT S-2=Q...SIMILIARLY T-2=R SO ANSWER IS MQNRO</p>																
10	A	<p>If / means +, - means / , x means - and + means x, then $((36 \times 4) - 8 \times 4) - (4 + 8 \times 2 + 16/1) = ?$</p> <p>A. 0 B.8 C.12 D.16</p>	$\frac{(36-4)+8-4}{4 \times 8 - 2 \times 16 + 1} = \frac{32+8-4}{32-32+1} = \frac{4-4}{1} = \frac{0}{1} = 0$																
11	D	<p>If \rightarrow, stands for 'additions' , \leftarrow stands for' subtraction', \uparrow stands for' division', \downarrowfor ' multiplication', \therefore stands for' equal to', then which of the following alternatives is correct</p> <p>A. $7 \leftarrow 43 \uparrow 6 \downarrow 1 \therefore 4$ B. $3 \downarrow 6 \uparrow 2 \rightarrow 3 \leftarrow 6 \therefore 4$ C. $5 \rightarrow 7 \leftarrow 3 \uparrow 2 \therefore 4$ D. $2 \downarrow 5 \leftarrow 6 \rightarrow 2 \therefore 6$</p>	<p>$2*5-6+2 = 6$</p>																
12	C	<p>Find missing numbers</p> <table border="1"> <tr><td>2</td><td>9</td><td>11</td><td>7</td></tr> <tr><td>8</td><td>5</td><td>13</td><td>-3</td></tr> <tr><td>7</td><td>?</td><td>10</td><td>(-4)</td></tr> <tr><td>6</td><td>4</td><td>10</td><td>?</td></tr> </table>	2	9	11	7	8	5	13	-3	7	?	10	(-4)	6	4	10	?	
2	9	11	7																
8	5	13	-3																
7	?	10	(-4)																
6	4	10	?																

		A. 3 and 2 B. -3 and 2 C. 3 and -2 D. -3 and -2													
13	A	Find missing numbers  A. 19 B. 18 C. 24 D. 12	$4+3+3=10$, $6+4+4=14$, $8+6+6=20$, Then similar, $3+8+8=19$												
15	D	Find missing numbers <table border="1" data-bbox="449 858 836 972"><tr><td>67</td><td>91</td><td>45</td></tr><tr><td>78</td><td>90</td><td>36</td></tr><tr><td>?</td><td>81</td><td>27</td></tr></table> A. 95 B. 98 C. 105 D. 111	67	91	45	78	90	36	?	81	27				
67	91	45													
78	90	36													
?	81	27													
16	C	Find missing numbers <table data-bbox="449 1262 660 1400"><tr><td>7</td><td>9</td><td>8</td></tr><tr><td>2</td><td>4</td><td>3</td></tr><tr><td>5</td><td>7</td><td>6</td></tr><tr><td>16</td><td>32</td><td>?</td></tr></table> A. 17 B. 23 C. 45 D. 73	7	9	8	2	4	3	5	7	6	16	32	?	$(7+3+8)/2 = 9$ $(2+3+3)/2 = 4$ $(5+3+6)/2 = 7$ $(16+3+n) = 32 \Rightarrow n=64$
7	9	8													
2	4	3													
5	7	6													
16	32	?													
16	A	$\sqrt{AFI} : 13 :: \sqrt{ADD} : ?$ A. 12 B. 22 C. 21 D. 24	$AFI = 169 = 13^2$ $ADD = 144 = 12^2$												
17	B	RUST : 9687 :: TSUR : ?	R U S T												

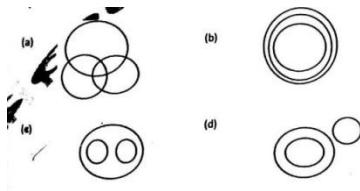
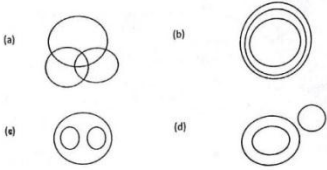
		a) 7896 b) 7869 c) 7689 d) 6789	9 6 8 7 Similarly, T S U R 7 8 6 9
18	C	Choose the odd one out A. Wood B. Cork C. Stone D. Paper	All except Stone are obtained directly or indirectly from trees.
19	C	Choose the odd one out A. Commander B. Commodore C. Brigadier D. Admiral	All except Brigadier are ranks in navy, while Brigadier is a rank in army.
20	D	choose the pair in which the words are differently related: A. Steel : Utensils B. Bronze : Statue C. Duralumin : Aircraft D. Iron : Rails	In all other pairs, first is the alloy used to make the second. (Iron is not an alloy but a metal.)
21	A	choose the pair in which the words are differently related: A. Tongue : Taste B. Eye: Blind C. Ear : Deaf D. Leg : Lame	In all other pairs, second indicates a state of non-functioning of the first.
22	B	choose the number which is different than the rest A. 25631 B. 33442 C. 34424 D. 52163	All other no: digits sum is same ie 17
23	A	choose the number which is different than the rest A. 2468 B. 2648 C. 4826 D. 6482	All other numbers contain first four consecutive even numbers but not in proper order.
24	D	choose the number which is different than the rest	$3*4=12$ $4*5=20$ $6*7=42$

		A. 3:12 B. 4:20 C. 6:42 D. 7:63	$7 \times 9 = 63$ (odd)
25	D	<p>I am facing South. I turn right and walk 20 metre. Then I turn right again and walk 10 metre. Then I turn left and walk 10 metre and then turning right walk 20 metre. Then I turn right again and walk 60 metre. In which direction am I from the starting point ?</p> <p>A. North B. North-West C. East D. North East</p>	
26	A	<p>8 peoples A B C D E F G and H are placed as shown, if of all of them move in anticlockwise to three places then</p> <p>A. B is facing west B. E is facing East C. H is facing North West D. A is facing south</p>	
27	A	<p>On what dates of March, 2013 did Wednesdays fall?</p> <p>A. 6 13 20 27 B. 5 12 19 26 C. 4 11 18 25 D. 7 14 21 28</p>	6 13 20 27
28	A	<p>A watch which gains uniformly ,is 4 min,slow at 9AM on sunday and it is 4 min 15 sec.fast at 9 p.m on next Friday. when was it correct?</p> <p>A. 2 AM Thursday B. 6 PM Wednesday C. 1 AM Wednesday</p>	<p>Watch gains $4 + 4(15/60)$ min in $(24 \times 5 + 12)$</p> <p>ie 5 min gain in 132 hrs</p> <p>It has to gain 4 min in --- days</p> <p>5 min gain in---- 132 hrs</p> <p>4 min gain in---- $\frac{4}{5} \times 132$</p>

		D. 6 PM	4 days 5 hrs
29	D	<p>The minute hand of a clock overtakes the hour hand at intervals of 64 minutes of correct time. How much a day does the clock gain or lose?</p> <p>A. 43 (9/11) min loss B. 32 (8/11) min gain C. 33 (9/11) min gain D. 32 (8/11) min loss</p>	
30	D	<p>In a row of girls, Kamla is 9th from the left and Veena is 16th from the right. If they interchange their positions, Kamla becomes 25th from the left. How many girls are there in the row ?</p> <p>A. 34 B. 40 C. 36 D. 41</p>	<p>Scenario 1 Lets say difference b/w girls is D So $9 + D + 16 = \text{total}$</p> <p>Scenario 2 kamla moves from 9th to 25th but the diff is same as D $9 + D = 25$</p> <p>Solve above we will get Total = 41</p>
31	A	<p>Five students are standing one behind the other in the playground facing the instructor. Malini is behind Anjana, but in front of Gayathri, Meena is in front of Shena, but behind Gayathri. What is the position of Meena ?</p> <p>A. Second from last B. Extreme first C. Extreme last D. Second from the first</p>	
32	C	<p>Sita is elder than Swapna. Lavanya is elder than Swapna but younger than Sita. Suvarna is younger than both Hari and Swapna, Swapna is elder than Hari. Who is the youngest?</p> <p>A. Sita</p>	Sita>Lavanya>Swapna>Hari>Suvarna

		B. Lavanya C. Suvarna D. Hari	
33	B	C is A's father's nephew. D is A's cousin but not the brother of C. How is D related to C? A. Father B. Sister C. Mother D. Aunt	C is A's father's nephew means C is the son of A's father's brother i.e, C is the cousin of A. D is also A's cousin. So, D must be real brother or sister of C. But D is not brother of C. So, D must be sister of C.
34	B	Deepak said to Nitin, "That boy playing with the football is the younger of the two brothers of the daughter of my father's wife." How is the boy playing football related to Deepak? A. Son B. Nephew C. Brother D. Brother-in-law	Father's wife → mother. Hence, the daughter of the mother means sister and sister's younger brother means brother. Therefore, the boy is the brother of Deepak.
35	A	how many triangles are there in the fig  A. 16 B. 14 C. 8 D. 12	(1)  The triangles are : ΔAIH ; ΔAIE ; ΔEIB ; ΔBFI ; ΔIHC ; ΔIGC ; ΔIGD ; ΔDFI ; ΔIAB ; ΔIBD ; ΔICD ; ΔIAC ; ΔBAC ; ΔACD ; ΔBDC ; ΔBDA
36	C	how many rectangles are there in the fig  A. 24 B. 16 C. 21 D. 14	
37	C	Statement: (a) All teachers are experienced	Both the cases sounds practical

		<p>(b) Some teachers are spinsters Conclusion: (a) Some experienced are spinsters (b) Some spinsters are experienced</p> <p>A. Only Conclusion I or II follow B. Either Conclusion I or II follow C. Both Conclusion I or II follow D. Only Conclusion I follow</p>	
38	C	<p>Statement: (a) Some cats are dogs (b) No dog is a toy Conclusion: (i) Some dogs are cats (ii) Some toys are cats (iii) Some cats are no toys (iv) All toys are cats</p> <p>A. Only Conclusion I or II follow B. Only Conclusion II or III follow C. Only Conclusion I or II follow D. Only Conclusion I follow</p>	
39	A	<p>Choose the missing terms acb_ce_f_</p> <p>A. dde B. cde C. dee D. ddg</p>	Swap the middle alphabet in a consecutive order of 3
40	D	<p>Choose the missing terms rtx_sx_z_txy__yz</p> <p>A. yyrxs B. yysxr C. yyrsx D. yyxrs</p>	
41	D	<p>Find the correct numerical position of the letters:</p> <p>B C U S M E L R N A 1 2 3 4 5 6 7 8 9 10</p> <p>A. 21346897510 B. 61432587910 C. 31571042698 D. 39428105176</p>	<p>Unscramble</p> <p>U N S C R A M B L E ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ 3 9 4 2 8 <u>10</u> 5 1 7 6</p>
42	D	Find relation between Nitrogen	Nitrogen is air but ice is not

		<p>Ice and Air</p> 																	
43	C	<p>Find relation between Bus Car and Vehicle</p> 	Vehicle contains both bus and car but they are not related																
44	D	<p>If CUSTOM is written as UCTSMO then how PARENT be written in the same code?</p> <p>D) APERTN C) RAPTNE B) TNERAP A) ERAPTN</p>	APERTN																
45	A	<p>If CAT is coded as 3120, what code number can be given to NAVIN?</p> <p>A 14122914 B 49274654 C 73957614 D None of these</p>																	
46	B	<p>If in a certain code EDITION is written as 3891965, then how TIDE will be written in that code?</p> <p>(a) 3819 (b) 1983 (c) 1839 (d) 1586</p>																	
47	C	<p>If FADE is Coded as 3854 Then How can GAGE be Coded?</p> <p>A. 1824 B. 2834 C. 2824 D. 2814</p>	<table border="1"> <tr> <td>F</td><td>A</td><td>D</td><td>E</td></tr> <tr> <td>3</td><td>8</td><td>5</td><td>4</td></tr> <tr> <td>G</td><td>A</td><td>G</td><td>E</td></tr> <tr> <td>2</td><td>8</td><td>2</td><td>4</td></tr> </table>	F	A	D	E	3	8	5	4	G	A	G	E	2	8	2	4
F	A	D	E																
3	8	5	4																
G	A	G	E																
2	8	2	4																
48	C	In	The fourth letter to the left of I is E. The																

		<p>ABCDE.....Z</p> <p>Which letter is sixteenth to the right of the letter which is fourth to the left of I?</p> <p>A. S B. T C. U D. V</p>	sixteenth letter to the right of E is U.
49	B	<p>In ABCDE.....Z</p> <p>Which letter is exactly midway between G and Q in the alphabet ?</p> <p>(a) K (b) L (c) M (d) N</p>	
50	A	<p>In ABCDE.....Z</p> <p>which letter is midway between the eighteenth letter from left and tenth letter from right end?</p> <p>A. No letter B. K C. Q D. R</p>	