FIITJEE Solutions to NTSE-2012 – Stage-I (Delhi State) (For Class X Students)

Paper-1 MAT

DATE OF EXAM : 18-11-2012

Time: 90 Minutes

Max Marks: 90

INSTRUCTIONS TO CANDIDATES

Read the following instructions carefully before you answer the question.

- 1. Answers are to be given on a **separate answer-sheet.**
- 2. Write your **eight-digit Roll Number** very clearly on the **test-booklet** and **answer-sheet** as given in your letter/ admission card.
- 3. Write down the **Booklet Number** in the appropriate box on the **answer sheet.**
- 4. There are 90 questions in this test. All are compulsory.
- 5. Please **follow the instruction** for marking the answers given on the answer sheet.
- 6. For questions 1 90, put a cross mark (X) on the number of the correct alternative on the answer-sheet against the corresponding question number.
- 7. If you do not know the answer to any question, do not spend much time on it and pass on to the next one. Time permitting, you can come back to the questions, which you have left in the first instance and try them again.
- 8. Since the time allotted for this question paper is very limited you should make the best use of it by not spending too much time on any one question.
- 9. Rough work can be done anywhere in the booklet but not on the answer sheet/loose paper.
- 10. Every correct answer will be awarded one mark.
- **11.** Please return the Test-booklet and answer-sheet to the invigilator the test.

PLEASE TURN OVER THE PAGE AND START YOUR WORK

1.	Anshu correctly remembers that his sister's b'day is before 20 th but after 15 th Oct. but her fa correctly remembers that his daughter's b'day is before 17 th Oct. Anshu's sister's b'day fall which day?	
1.	(1) 19 th Oct (3) 18 th Oct (2)	(2) 16 th Oct (4) 15 th Oct
	Anshu's sister's birthday before 20 th but after 1	5 th Oct. i.e. her birthday possible 16 th , 17 th , 18 th , 7 th Oct. i.e. Anshu's sister birthday falls 16 th Oct.
2.	Sink is to float. In the dame way, Destroy is to: (1) Enemy (3) Peace	(2) Alive(4) Create
2.	(4) Float is the antonym of sink, similarly in same wa	ay create is antonym of destroy.
3.	Author is related to Book. In the same way, (1) Human, Society (3) Mason, Building	is related to (2) Engineer, Building (4) Fruits, Tree
3.	(3) Author create the book in the same way Mason create the building	
4.	Which of the following has the same relationship (1) JM : RQ (3) AD : EH	o as that of 'PS' : 'TW'? (2) AD : DI (4) FC : ZE
4.	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
	in the same way A D E H 1 4 : 5 8 $\downarrow \rightarrow$ +3 +3	
5.	Which of the following will come in the place of c BYA, CXB, ?, EVD :	question mark in the given series?
5.	(1) DVE (3) DXB (4)	(2) DCW (4) DWC
	$ \begin{array}{cccc} 1^{st} & \text{letter} \rightarrow \text{B} & \text{C} & & \text{D} & \text{E} \\ 2^{nd} & \text{letter} \rightarrow \text{Y} & \text{X} & & \text{W} & \text{V} \\ 3^{rd} & \text{letter} \rightarrow \text{A} & \text{B} & & \text{C} & & \text{D} \end{array} $	
Directio	ons: (Q. 6 to 8): Select the alternative which is di	ifferent from others.
6.	(1) 729	(2) 343

6.	(1) 729 (3) 576	(2) 343 (4) 512
6.	(3) Except 576, remaining all the cubes.	
7.	(1) 1764 (3) 1321	(2) 1875 (4) 1542

7. (3) 1764 = 1 + 7 + 6 + 4 = 18 1875 = 1 + 8 + 7 + 5 = 21 1321 = 1 + 3 + 2 + 1 = 07 1542 = 1 + 5 + 4 + 2 = 12except 1321 all are divisible by 3.

+1

8. (1) HMNG (2) VQRU (3) KDPJ (3) SUVT 8. (3) 4 16 Н G, Κ D Р J Ν М ↑

8.

(4) H ↑	М	Ν	G,	К ↑	D	Ρ	J
	+'	1			+	1	
∨ ↑	Q	R	U, J	S ↑	U	V	T
	+	1			_'	1	

9. When Amir saw Manjeet, he recalled that he is son of the father of the mother of his daughter. Manjeet is Amir's:

+12

(1) Brother-in-law	(2) Brother
(3) Cousin	(4) Uncle

9. (1) Amir's daughter's mother i.e. Amir's wife Amir's wife's father's son (Manjeet) i.e. brother of Amir's wife hence Manjeet is Amir's brother in law.

Directions: (Q. 10 to 14): Complete the given series in each questions:

10. 10.	50, 55, 61, 68, (1) 81 (3) 75 (4)	(2) 80 (4) 76
10.	50, 55, 61, 68 76 +5 +6 +7 +8	
11. 11.	144, 121, 100, 81, (1) 80 (3) 64 (3)	(2) 72 (4) 60

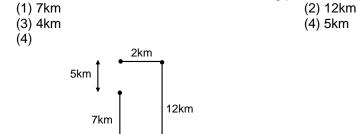
	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	
12. 12.		2) WD18 4) WD19
	First Alphabet Z, Y, X, W └──♪└──♪ ↓ ──1 ──1 ──1	
	Second Alphabet A, B, C, D +1 +1 +1 +1	
	Third Number13 \rightarrow 15 \rightarrow 17 \rightarrow 19+2+2+2	
13. 13.		2) EGT 4) EK
	First Alphabet B, C, D, E +1 +1 +1 +1	
	Second Alphabet N, M, L, K -1 -1 -1 -1	
	Third Alphabet Q, R, S, T +1 +1 +1	
14.	(3) MAHNDRA	2) AHENDRA 4) MAENDRA
14.	(4)In every step from the last even number of alphab step.	pet is removed every time, then we get the next
15.	3 out of 4 words are alike in some way and for group? (1) Tyre (2	m a group. Which one does not belong to the 2) Engine
15.		4) Fuel

Directions: (Q. 16 to 18): In each of the following questions, four groups of three words each are given. Only one group in each does not share the underlying principle that combines the words. Find that group:

16. 16.	(1) Arm, Hair, Legs (3) Tree, Leaf, Trunk (1)	(2) Car, Tyre, Steering (4) Universe, Solar System, Galaxy	
	In remaining three, 2 nd and 3 rd are the parts of first one.		
17.	(1) Orange, Pineapple, Sweet lime (Mausmbi) (3) Banana, Guava, Grapes	(2) Mango, Plum, Peach (4) Melon, Watermelon, Cucumber	
17.	(3)Except (3) all belongs to a particular group.		
18.	(1) India, China, Japan (3) South Africa, Kenya, Zimbabwe	(2) Canada, Mexico, Australia (4) United kingdom, France, Spain	
18.	 (2) Canada, Mexico are in North America and Aust Except (2) all are in one continent. 		
19.	Race : Fatigue: :		
	(1) Fast : Hungry (3) Fast : Food	(2) Fast : Energy (4) Fast : Fatigue	
19.	(1) As race leads to Fatigue in the same way fast le	eads to Hungry.	
20.	Penology : Punishment : Seismology :		
	(1) Law (3) Liver	(2) Earthquake (4) Medicine	
20.	(2) Penology is the studied by punishment in the sa	ame say seismology is the studied of earthquake.	
Directions: (Q. 21 to 26): Choose the odd one out:			
Direct	ions: (Q. 21 to 26): Choose the odd one out:		
Direct 21.	(1) Steel	(2) Copper	
21.	(1) Steel(3) Bronze(2)	(2) Copper	
21. 21. 22.	 (1) Steel (3) Bronze (2) Except (2) rest all are alloys. (1) Seismograph (3) Cyclone 	(2) Copper (4) Brass	
21. 21.	 (1) Steel (3) Bronze (2) Except (2) rest all are alloys. (1) Seismograph 	(2) Copper(4) Brass(2) Earthquake	
21. 21. 22.	 (1) Steel (3) Bronze (2) Except (2) rest all are alloys. (1) Seismograph (3) Cyclone (1) Except (1) all are natural disaster. (1) K 	 (2) Copper (4) Brass (2) Earthquake (4) Tsunami (2) ₹ 	
21. 21. 22. 22.	(1) Steel (3) Bronze (2) Except (2) rest all are alloys. (1) Seismograph (3) Cyclone (1) Except (1) all are natural disaster. (1) \overline{K} (3) \notin (1)	 (2) Copper (4) Brass (2) Earthquake (4) Tsunami 	
 21. 21. 22. 22. 23. 23. 	(1) Steel (3) Bronze (2) Except (2) rest all are alloys. (1) Seismograph (3) Cyclone (1) Except (1) all are natural disaster. (1) \overline{K} (3) \notin (1) Except (1) all are authentic symbols.	 (2) Copper (4) Brass (2) Earthquake (4) Tsunami (2) ₹ (4) \$ 	
 21. 21. 22. 22. 23. 	(1) Steel (3) Bronze (2) Except (2) rest all are alloys. (1) Seismograph (3) Cyclone (1) Except (1) all are natural disaster. (1) \overline{K} (3) \notin (1)	 (2) Copper (4) Brass (2) Earthquake (4) Tsunami (2) ₹ 	
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 21. 21. 22. 22. 23. 23. 24. 	(1) Steel (3) Bronze (2) Except (2) rest all are alloys. (1) Seismograph (3) Cyclone (1) Except (1) all are natural disaster. (1) \overline{K} (3) \notin (1) Except (1) all are natural disaster. (1) \overline{K} (3) \notin (1) Except (1) all are authentic symbols. (1) Bhopal (3) Hyderabad (4) Except (4) rest of all are capitals. (1) 145	(2) Copper (4) Brass (2) Earthquake (4) Tsunami (2) $\overline{\leftarrow}$ (4) \$ (2) Mumbai (4) Allahabad (2) 120	
 21. 21. 22. 22. 23. 23. 24. 24. 24. 	(1) Steel (3) Bronze (2) Except (2) rest all are alloys. (1) Seismograph (3) Cyclone (1) Except (1) all are natural disaster. (1) \overline{K} (3) \notin (1) Except (1) all are authentic symbols. (1) Bhopal (3) Hyderabad (4) Except (4) rest of all are capitals.	 (2) Copper (4) Brass (2) Earthquake (4) Tsunami (2) ₹ (4) \$ (2) Mumbai (4) Allahabad 	

26.	(1) 67	(2) 79
	(3) 69	(4) 97

- 26. (3) Except (3) rest of all are prime numbers.
- 27. Amit is now 6 times as old as his son. Four years from now, the sum of their ages will be 43 years. Determine Amit's present age:
- (1) 30 years (3) 34 years (2) 32 years (4) 28 years (4) 28 years (5) 27. (1) Let present age of Amit's son = x yrs. and age of Amit = 6x yrs. Four yrs from now, 6x + x + 8 = 43 7x = 35x = 5, i.e., present age of Amit = 30 yrs.
- 28. Aman starts walking in south and walks for 7 km, then turns left and walks for 2km, Then, once again turns left and walks for 12km, turns left one more time and walks for 2km. How much distance he has to cover to reach the starting point?



2km

A is 3 times more efficient than B. Hence, he takes 60 days less in painting a room. In how many days, work will be completed, if A and B both work together?
(1) 30 days
(2) 45 days

(4) $17\frac{1}{2}$ days

(3)
$$22\frac{1}{2}$$
 days

28.

29. Efficiency $\rightarrow A : B$ n = 3n 3n - n = 60 n = 30 $\Rightarrow A = 30, B = 90$ $\Rightarrow (A + B) = \frac{30 \times 90}{120} = 22\frac{1}{2}.$

Directions: (Q. 30 to 31): Complete the series using one of the alternatives.

30. 30.	Bulgaria, Ecuador, Germany, Norway, (1) Russia (3) Afghanistan All are arranged in dictionary order.	(2) India (4) Africa
	·	
31.	2197, 2744, 3375, 4096, (1) 4761 (3) 4913	(2) 4232 (4) 3291
31.	(3) 13 ³ , 14 ³ , 15 ³ , 16 ³ , <u>17</u> ³ i.e., 4913	(4) 3231

32.	Arrange the words in the correct order:	
52.	 (A) Tissues (C) Organ System (E) Organ 	(B) Cells (D) Body
32.	 (1) B, A, C, E, D (3) A, E, C, D, B (4) is the correct order 	(2) C, A, B, E, D (4) B, A, E, C, D
33. 33.	position of the 1 st and 2 nd letters are interchange are interchanged and so on. Which of the follow arrangement? (1) M (3) V	RNMENT' are re-arranged in such a way that the ged, similarly the position of the 3 rd and 4 th letters wing will be the 3 rd from the right end after the re- (2) F (4) R
55.	(1) OGEVNREMTN	
34.	A girl facing north turns 90° in the anticlock dire and then again turns 135° in the anticlockwise, (1) South (3) North	ection and then turns 45° in the clockwise direction Which directions in she facing now? (2) East (4) West
34.	(1) South	(4) West
35.	girls. How many students are there in that school (1) 650	(2) 1050
35.	(3) 400 (2) Boys : Girls 5n : 2n 5n - 2n = 450 $\Rightarrow 3n = 450 \Rightarrow n = 150$ \therefore Total = $5n + 2n \Rightarrow 7n \Rightarrow 1050$.	(4) 950
36.	A train travels 92.4km/hr. How many metres wil (1) 15400 (3) 154	l it travel in 10 minutes? (2) 1540 (4) 15.40
36.	(1) $\frac{92.40 \times 10}{60} \Rightarrow 15.4 \text{ km} \Rightarrow 15400 \text{ m}.$	
37.	Given that : $x + y - z + 100 = 350$. If $x = 2y$ and (1) 30 (3) 70	y = 2z, then z = ? (2) 50 (4) 90
37.	(2) z = 50	
38.		food, 40% of the remaining on house rent and ne expense. What is his yearly salary if he spends (2) Rs 2, 44, 000 (4) Rs 1, 54, 000

38.	(3) Monthly salary = x Food expenses = x/5 House Rent = $\frac{8x}{25}$ Hence $\frac{12x}{25} = 5760$ x = 12000 and 12x = 144000.	
39.	If the simple interest on a certain sum of money (1) Rs 4, 000	(2) Rs 9, 000
39.	(3) Rs 12,000 (1) $\frac{800 \times 100}{4 \times 5} = \text{Rs. 4000.}$	(4) None of the above
40.	The weight of a sand bag is 40kg. In a hurry it w (1) 1% (3) 1.5%	vas weighted as 40.8kg. The error percentage is: (2) 0.5% (4) 2%
40.	(4) Error % = $\frac{40.8 - 40}{40} \times 100 = 2\%$.	
41.	The product of two positive numbers is 120 ar between them is: (1) 7	nd the sum of their square is 289. The difference $(2) = 7$
41.	(1) 7 (3) 2 (1) $8^2 + 15^2 = 289$ \therefore difference is $15 - 8 = 7$.	(2) – 7 (4) 14
42.	If A : B = 6 : 7 and B : C = 8 : 9. Find the value c	
	(1) $\frac{9}{6}$	(2) $\frac{16}{21}$
42.	(3) $\frac{21}{16}$ (3) A: B = 6: 7 B: C = 8: 9 \therefore C: A = $\frac{63}{48} = \frac{21}{16}$.	(4) $\frac{6}{9}$
43.	The value of $\frac{0.525 \times 0.525 - 0.275 \times 0.275}{0.525 - 0.275}$ is:	
43.	$(1) 0.5(3) 0.4(4)\frac{(0.525 + 0.275)(0.525 - 0.275)}{(0.525 - 0.275)} = 0.8$	(2) 0.6 (4) 0.8

FITJEE National Admission Office

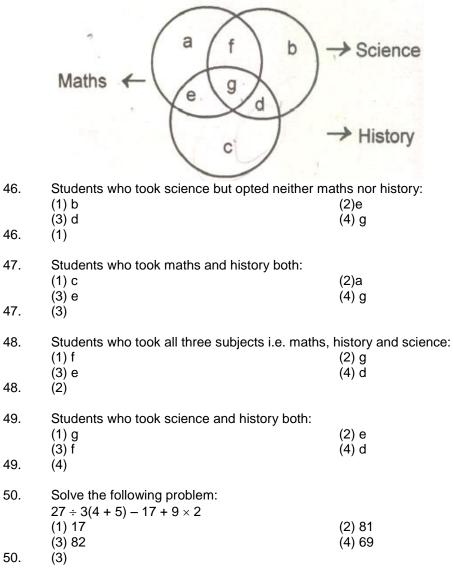
44.	The smallest number which whe	n reduced by 7 is divisible by 12, 16 and 18:
	(1) 100	(0) 000

(1) 199	(2) 223
(3) 295	(4) 287

- 44. (3)
 - 295
- 45. In a class of 250 students, 75.8% took French and 49.4% took Latin. How many students took both French and Latin?

(1) 189.0	(2) 123.0
(3) 63.0	(4) 90.0

- 45. (3)
 - 25.2% of 250 = 63.0. (Approx.)
- Directions: (Q. 46 to 49): Read the statements and choose the letter of the region which coreectly represents the statement.



51.	In a basket, $\frac{3}{4}^{\text{th}}$ of the total fruits are apples, $\frac{2}{3}^{\text{rd}}$ of the remaining are peach and the rest 300 are		
51.	oranges. Find the total number of fruits in the basket. (1) 2000 (2) 2400 (3) 3000 (4) 3600 (4) 8.5% = 300		
	$\therefore 100\% = 300 \times 12 = 3600.$		
52.	12 men can complete a piece of work in 16 days. How many days will 4 men take to complete the task?		
52.	(1) 60days (2) 45 days (3) 54 days (4) 48 days (4)		
	$\frac{12 \times 16}{4} = 48 \text{ days.}$		
53.	In a certain code 'Them' is written as '1234' and 'WHEN' is written as '5238'. How is 'MENT' written in that code"?		
	(1) 3418 (2) 3481 (3) 4381 (4) 4318		
53.	(3) $M \in N T$ $\downarrow \downarrow \downarrow \downarrow$ $4 \ 3 \ 8 \ 1$		
54.	In a certain code language, 'NOTE' is coded as 'OPUF'. Similarly, 'TASK' is coded as 'UBTL'. How will 'CORE' be coded in the same code language?		
	(1) BNRE (2) PSFD (3) DSFP (4) DPSF		
54.	(4) C O R E		
	$ \begin{array}{cccc} +1 \downarrow & +1 \downarrow & +1 \downarrow \\ D & P & S & F \end{array} $		
55.	Which one is in the descending order in the following? (1) 6/7, 4/5, 3/4, 7/9 (2) 6/7, 4/5, 7/9, 3/4		
55.	$ \begin{array}{c} (1) & 31, & 32, & 34, & 54, \\ (3) & 3/4, & 7/9, & 4/5, & 6/7 \\ (2) & & & & & & & \\ (4) & 7/9, & 3/4, & 6/7, & 4/5 \\ (2) & & & & & & \\ \end{array} $		
56.	In a row of twenty five children Raman is 14 th from the right end. Varun is third to the left of Raman. What is Varun's position from the left end of the row? (1) Eighth (2) Ninth		
56.	(3) Seventh (4) Tenth (2)		
	Varun Raman		
	Left Right 9 th 14 th		
57.	How many such pairs of letters are there in the word 'RAZORS' each of which has as many letters between them as in the English alphabet series:(1) None(2) One(3) Two(4) Three		

57. (3) R A Z O R S

Directions: (Q. 58 to 61): Refer to the following pie charts and answer.

Direct		Proteins	elements
	Hormones Enzymes & other ← proteins	16%	14%
	Distribution of protein in human Body	Distribution of e	lements in human body
58. 58.	What is the ratio of the distribution of proteins in the bones? (1) 1 : 2 (3) 1 : 18 (2)	in the muscles to (2) 2 : 1 (4) 18 : 1	that of the distribution of proteins
	$\frac{1}{3}:\frac{1}{6}=2:1.$		
59.	What percentage of the total weight of the hu the human body? (1) 1.6 (3) 0.016	man body is equiv (2) 0.16 (4) Insufficient c	,
59.	(4)		
60.	To show the distribution of proteins and othe circle should subtend at the centre an angle of (1) 120°		the human body, the arc of the
60.	(3) 108° (3) $\frac{360^{\circ} \times 30}{100} = 108^{\circ}$.	(4) 252°	
61.	What is the quantity of water in the body of a p (1) 35kg (3) 71.42kg	erson weighing 50 (2) 120kg (4) 20kg) kg?
61.	(1) Human body constitutes 70% of water $\therefore \frac{70}{100}$		
62.	Pointing to a boy, Mamta said, "he is the only related to Mamta? (1) Brother	(2) Daughter	n-law's only child." How is the boy
62.	(3) Son (3)	(4) Husband	

Mamta's father-in-law's only child is Memta's husband and only child's only son is her husband's only son i.e. Memta's son.

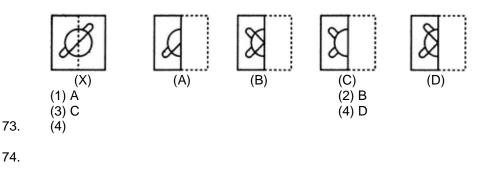
63.	Complete the series: 5, 6, 10, 19., 35, (1) 50 (3) 40	(2) 60 (4) 70			
63.	(2) 5, 6, 10, 19, 35, gap is perfect square 1, 4, 9, 16 so next gap sh	ould be 25, so 35 + 25 = 60.			
Directi	Directions: (Q. 64 to 67): Read the data carefully and answer the questions. LAP BUT CAR SON HID (New words to be formed may or may not necessarily be meaningful English words.)				
64.	If the positions of the 1 st and the 3 rd alphabets of following would form meaningful words with the (1) HID (3) TUB	of each of the word are interchanged, which of the mew arrangement? (2) SON (4) CAR			
64.	(3) BUT when interchanged will term a meaningful				
65.	right, which of the following will be 4 th from the I (1) LAP	(2) BUT			
65.	(3) CAR (1) The order of words in dictionary will be BUT, CA	(4) SON AR, HID, LAP, SON			
66.	Which alphabet is one same place in two words (1) u	(2) i			
66.	(3) a (4) n (3) LAP and CAR both have 'A' at the same position.				
67.	If second alphabet in each of the words is changed to next alphabet in the English alphabetical order, how many words having no vowels will be formed? (1) One (2) Two				
67.	(3) Three (4) All 5 will have no vowels.	(4) More than three			
68.	If "road" is called "water", "water" is called "ice", "ice" is called "Sugar" and Sugar" is called "bowl". Then, on what the vehicles move? (1) Ice (2) Bowl				
68.	 (3) Sugar (4) 'vehicles' moves on road and road is called 'wat 	(4) Water			
69.	Arrange the following according to dictionary an (1) Zamaica	(2) Zidane			
69.	(3) Zeast (4) The order will be Zamaica, Zeast, Zidane, Zinedine	(4) Zinedine			

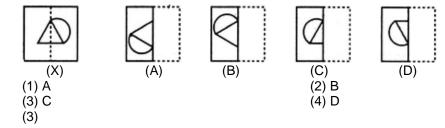
- 70. In a 729 ml mixture milk and water are in the ratio of 7 : 2. How much quantity of water shouls be added in the new mixture so that the ratio of milk and water becomes 7 : 3?
 (1) 72 ml
 (2) 81ml
- (3) 85ml (4) 90ml 70. (2) original quantity of water is 729 ml mixture = $\frac{2}{9} \times 729 = 162$ ml let x its of water is to be added to get milk and water ratio as 7:3 so $\frac{3}{10}(729 + X) = 162 + x$ \Rightarrow 2187 + 3X = 1620 + 10x \Rightarrow 567 = 7x \Rightarrow x = 81 ml The total surface area of a cube is 384 m². Its volume will be: 71. (1) 343m³ $(2) 616m^3$ (3) 512m³ $(4) 660 \text{m}^3$ 71. (3) Total surface area of cube = $6 \times side^2$ = 384 m² \Rightarrow side² = 64 \Rightarrow side = 8m so, its volume = $(side)^3 = (8)^3 m^3 = 512m^3$ 72. When the price of TV set was increased by 30%, then number of TV sets sold decreased by 20%. What was the effect on the sales? (1) 8% decrease (2) 8% increase (3) 4% decrease (4) 4% increase 72. (4) For any two dimension change Use the formula = $a + b + \frac{a \times b}{100}$:. effect on sale = (30) + (-20) + $\frac{(30) \times (-20)}{100}$

$$= 30 - 20 - \frac{600}{100} = 4$$

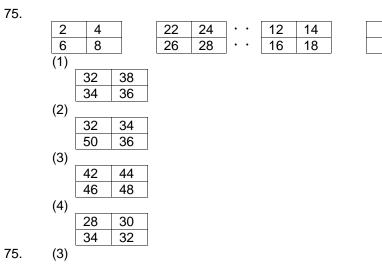
If answer is +ve so sale in increased by 4%, if it is -ve so sale is decreased.

Directions: (Q. 73 to 74): Select the alternative which correctly depicts how a paper will appear, when it is folded along the dotted line?

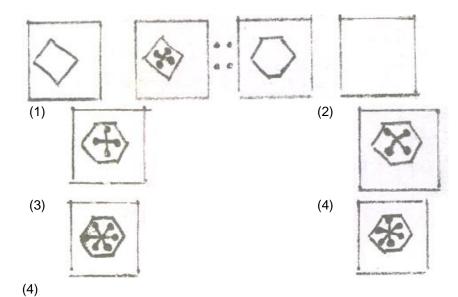




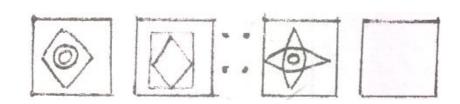
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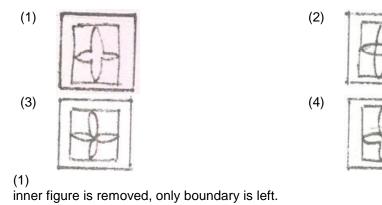


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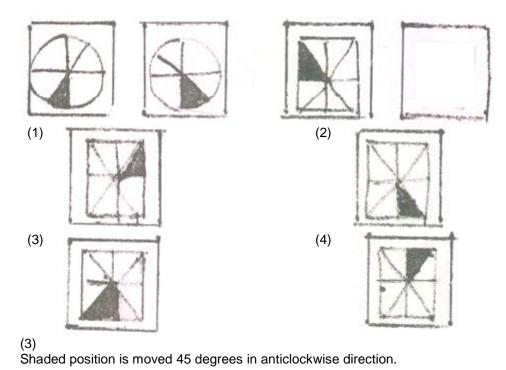


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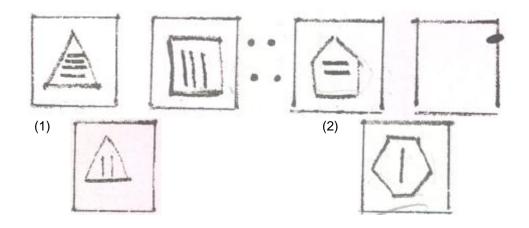




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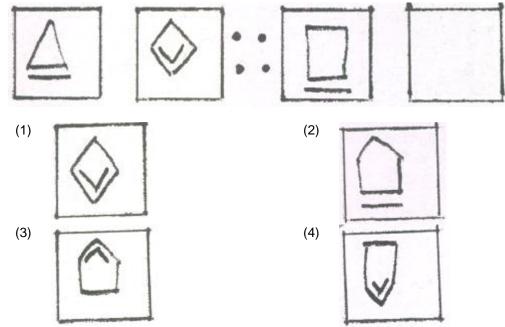
78.





(2) Outer figure one line is increased and inner lines one line is decreased and line position is also changed its is vertical to horizontal

80.

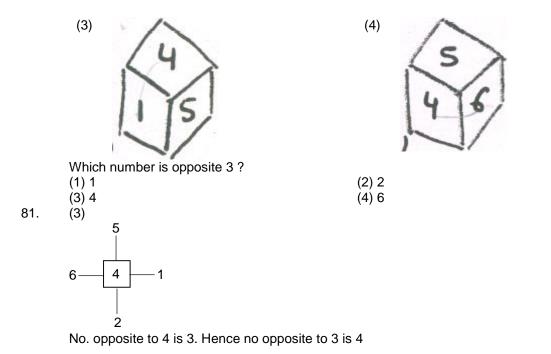


80. (4)

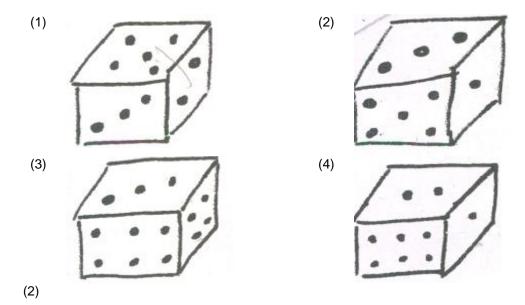
one side is increased in the figure and outer line taken inside and kept down in 'V' shape.

81. Observe the die given below and answer:



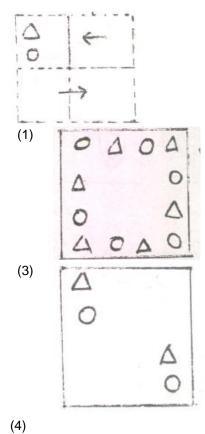


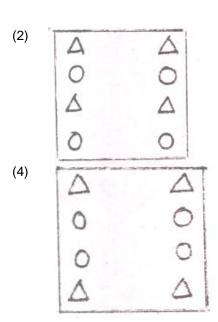
82. If the total number of dots on opposite faces of a cubical block is always 7, find the figure which is correct?



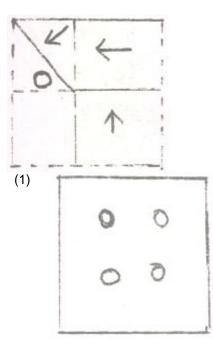
Directions: (Q. 83 to 84): A paper is folded and a cut is made. Select the alternative which correctly depicts how the paper will appear when it is opened?



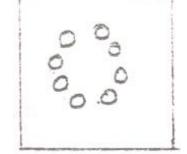


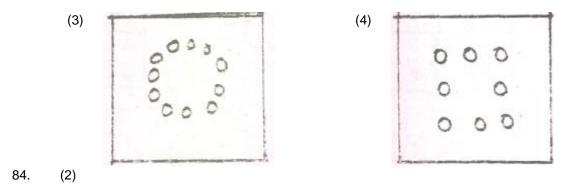


84.

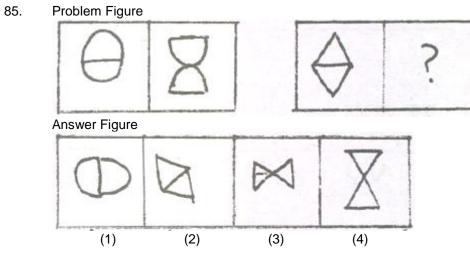


(2)





Directions: (Q. 85 to 90): Complete the given series by choosing the appropriate answer (1, 2, 3 or 4).

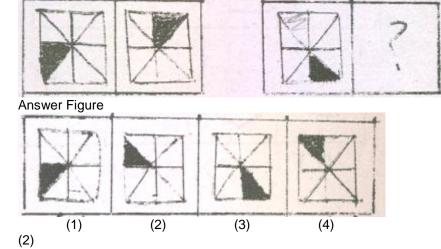


85.

86.

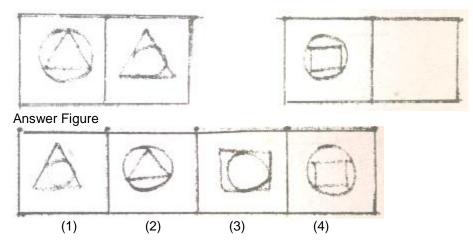
(4) Figure broken in two part and folded opposite

86. Problem Figure



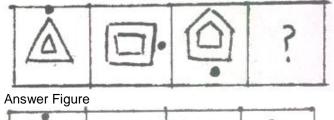
has been moved three next parts clockwise.

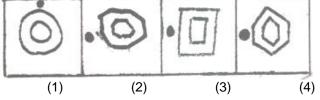
87. Problem Figure



(3) Inner figure and outer figure position interchanged .

88. Problem Figure

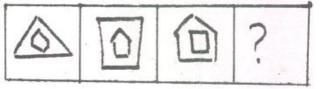




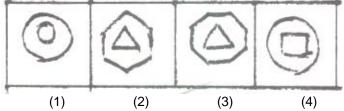
88.

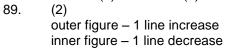
(4) Inner and outer figure both have got increase of one line.

89. Problem Figure



Answer Figure





90. Problem Figure

