





# **CLASSROOM CONTACT PROGRAMME**

## PRE-NURTURE & CAREER FOUNDATION : CLASS-VII (FOR VI to VII MOVING STUDENTS)



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#### HAVE CONTROL → HAVE PATIENCE → HAVE CONFIDENCE ⇒ 100% SUCCESS **MENTAL ABILITY** 1. Arrange the given word in alphabetical order and choose the one that comes third : (1) Rigour (2) Remove (3) Retrospect (4) Revive 2. A man is facing east. He turns $135^{\circ}$ in the clockwise direction and then $45^{\circ}$ in the anti-clockwise direction. Which direction is the facing now? (1) East (2) West (3) North (4) South If OLYMPICS is coded as PMZNQJDT, and JUMP is coded as KVNQ, then COMPUTER will be 3. coded as : (1) DPNQTSDQ (2) DPNQTSFQ (3) DPNQVUFS (4) BNLOTSDQ 4. Choose the correct mirror image of figure (X) if mirror is placed as shown (X) (2)(3)(4)5. Arrange the given words in the sequence in which they occur in the dictionary and then choose the correct sequence. 1. Wrinkle 2. Wriggle 3. Writhe 4. Wretch 5. Wrath (1) 45123 (2) 54213 (3) 4 2 5 1 3 (4) 52134 6. What should come in the place of question mark. D - 4, F - 6, H - 8, J - 10, ...? (1) M - 13(2) N - 14(3) L - 12(4) None of these 7. A person walks 1 mile to West, turns left and walks 1 mile, turns left and walks 1 mile, again turns left and walks 1 mile. What is the direction he is facing now? (4) West (1) East (2) South (3) North 8. There are five houses P, Q, R, S and T. P is to right of Q and T is to left of R and to right of P. Q is to right of S. Which house is in the middle? (4) R (1) P (2) Q (3) T 9. What comes in place of question mark (?) in the given number series ? 4, 24, 6, 48, 8, 80, ? (1) 8 (2) 9 (3) 10 (4) 4 10. In a certain code, BOY is written as \$\*\* and HOUR is written @\*£0. How is RUBY written in that code :-(2) 0 $\pm$ (3) \* \$ £ 0 (4) $\cdot$ £ \$ 0 (1) $0 \pm$ <sup>•</sup>

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11. In the given question below, find out the correct answer from the given alternatives. Which one of the following diagrams correctly represents the relationship among the classes : Tennis fans, Cricket players, Students ?



- 12. Five friends A, B, C, D, E are sitting in a row facing North. C is between A and E. B is just to the right of E but to the left of D. Who is sitting in the middle ?
  - (1) E (2) B (3) A (4) D
- **13.** Roshan, Vaibhav, Vinay and Sumit are playing cards. Roshan and Vaibhav are partners. Sumit faces towards North, if Roshan faces towards West, then who faces towards South ?
  - (1) Vinay (2) Viabhav

(3)	Sumit	(4)	Data is	inadequate
	Sumit	( )	D'aca 10	maacquate

- 14. In the given question, arrange the given words in a meaningful sequence and then choose the most appropriate sequence from amongst the alternatives provided below question.
  - 1. College
  - 2. Child
  - 3. Salary
  - 4. School
  - 5. Employment
  - (1) 1, 2, 4, 3, 5 (2) 2, 4, 1, 5, 3 (3) 4, 1, 3, 5, 2 (4) 5, 3, 2, 1, 4
- 15. In the given question, a word is followed by four alternatives (1), (2), (3) and (4) showing possible water image of that word. One out of these four alternative shows the exact water-image of that word. Choose the alternative which shows the correct water-image of that word. SUPERFLOUS
  - (1) SUDERFLOUS (5) SUDERFLOUS (7) SUPERFLOUS (7) SUPERFLOUS
- **16.** What should come in the place of question mark ?
  - 4, 9, 16, 25, ? (1) 35 (2) 33 (3) 40 (4) 36
- 17. Choose the alternative which shows the correct water-image of the given word.POLEMIC
  - (1) OIMAJOG (2) POLAWIC (3) POLEMIC (4) POLEMIO
- **18.** If 'CARPET' is coded as 'TEPRAC', then the code for 'NATIONAL' would be
  - (1) NLATNOIA (2) LNAANTOI (3) LANOITAN (4) LNOINTAA



**19.** Which of the following diagrams represents a relationship between players and footballers ?



20. Choose the correct mirror image of figure (X) if mirror is placed as shown :-







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	PHYSICS												
21.	Which is a bad conduc	ctor of heat and electricit	у?										
	(1) Zinc	(2) Aluminium	(3)	Wood	(4)	Copper							
22.	Which one is luminou	s source of light ?											
	(1) Moon	(2) Table	(3)	Gold	(4)	Sun							
23.	An electromagnet is a	magnet that works :											
	(1) Only with the hel	p of electricity	(2)	Permanently									
	(3) Both (1) and (2)		(4)	None of these									
24.	S.I. unit for measurem	ent of time is :											
	(1) second	(2) minute	(3)	hour	(4)	all of these							
25.	In three pin socket the	biggest hole is connecte	d to :										
	(1) Any wire	(2) Live wire	(3)	Neutral wire	(4)	Earth wire							
26.	Plane mirrors are arran	nged at an angle to get a	numbe	r of coloured image	s in :								
	(1) Periscope	(2) Kaleidoscope	(3)	Telescope	(4)	Thermoscope							
27.	Magnetic keepers are	pieces of :											
	(1) wood	(2) rubber	(3)	soft iron	(4)	sodium							
28.	Rectilinear and curvili	near motion are the two	types c	of:									
	(1) Translational mot	ion	(2)	Rotational motion									
	(3) Oscillatory motio	n	(4)	Vibratory motion									
29.	If a current is drawn fi	rom the cell connected in	an electric circuit, then that circuit is said to be :-										
	(1) Open		(2)	Close									
	(3) Both (1) and (2)		(4)	None of these									
30.	The angle of incident	e of an incident ray (hi	tting a	plane mirror) with	n norr	nal isangle of							
	(1) Equal to	(2) Greater than	(3)	Less than	(4)	None of these							
31	Electric door-bell is b	ased on .	(3)	Less than	(1)	Tone of these							
51.	(1) Magnetic effect o	f current	(2)	Chemical effect of	fcurre	ent							
	(3) Heating effect of	current	(4)	<ul><li>(4) Lightning effect of current</li></ul>									
32.	Motion of a car or cyc	le wheels running on roa	d is :	6 6									
	(1) Translational mot	ion	(2)	Rotational motion									
	(3) Rolling motion		(4)	Oscillatory motior	ı								
33.	Instead of copper wire	e, a/an strip cai	n be us	ed to complete a cir	cuit.								
	(1) rubber	(2) wooden	(3)	aluminium	(4)	plastic							
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path to success				AS	SAT : CLASS-VII SAMPLE TEST PAPEF	7
34.	A pinhole camera is us	sed to produce image	ge of a large d	istant tree. It proc	duces	
	(1) an erect and small	image	(2) a	an erect and same	e size image	
	(3) an Inverted and sr	nall image	(4) a	an inverted and sa	ame size image	
35.	Which of the following	g will NOT be attra	acted by a mag	gnet ?		
	(1) Iron		(2) 1	Nickel		
	(3) Gold		(4) (	Cobalt		
36.	The distance from a pe	erson's elbow to the	e tip of the ext	tended middle fin	ger is known as :	
	(1) Fathom		(2) (	Cubit		
	(3) Span		(4) I	Pace		
37.	Metals are good condu	ctors as they have				
	(1) Large number of f	free protons				
	(2) Less number of fr	ee electrons				
	(3) Large number of f	free neutrons				
	(4) Large number of f	free electrons				
38.	If the angle of Incident	ce for a given light	ray is 60°, the	en find the value	of x.	
	(1) 60°	(2) 30°	(3) 4	45°	(4) 120°	
39.	Bar magnet is an exam	ple of :				
	(1) Natural magnet		(2)	Artificial magnet		
	(3) Electromagnet		(4) 1	None of these		
40.	As shown in figure bel Rectangular block Tennis ball Tennis ball Rekr Rukr 1 cm 7.7 cm	ow, what is the rac	lius of the ball	1?		
	(1) $6.7 \text{ cm}$		(2) 3	3.35 cm		
	(3) 7.7 cm		(4) 3	3.85 cm		

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#### **CHEMISTRY** 41. Global warming is the result of the increase in in air? (1) Nitrogen (2) Oxygen (3) Helium (4) Carbon dioxide 42. Look carefully at this picture. The substance which tie to a string, to make the particles settle down in water is : (1) Alum (2) Alloy (3) Amalgam (4) Paper 43. Lighting an electric bulb is\_ change : (1) Reversible (2) Irreversible (3) Chemical changes (4) Both (1) and (2) 44. Materials that can be easily compressed are :-(1) Soft (2) Hard (3) Scaly (4) Rough 45. Jute is a/an....fibre ? (4) None of these (1) Animal (2) Synthetic (3) Plant 46. Burning of a sparkler is : (1) Irreversible process (2) Reversible process (3) Both (1) and (2) (4) None of these 47. Kerosene is separated from water by using :-(1) Sieving (2) Separating funnel (3) Filteration (4) None of these The "universal solvent" is :-48. (1) Alcohol (3) Curd (4) Milk (2) Water



- **49.** Cotton is usually picked by hand. Fibres are then separated from the seeds by combing. This process is called \_\_\_\_\_\_ of cotton.
  - (1) Spinning
  - (2) Retting
  - (3) Ginning
  - (4) None of these
- 50. Door locks are made of metals because metals :-
  - (1) Have lustre
  - (2) Are opaque
  - (3) Are good conductors of heat
  - (4) Are hard and strong
- 51. The components of air which are harmful to living beings are :-
  - (1) Nitrogen and CO<sub>2</sub>
  - (2) Dust and water vapour
  - (3) Dust and smoke
  - (4) Smoke and water vapour
- **52.** Study the figure below & answer the question.

If a solid dissolves in a liquid we get a solution. The solid that dissolves in any liquid is called :



of Sugar

- (1) Solute
- (2) Solvent
- (3) Heterogeneous mixture
- (4) Homogeneous mixture
- **53.** Brown colour of the apple after cutting is :-
  - (1) Physical change
  - (2) Chemical change
  - (3) No change
  - (4) Periodic changes



- 54. Which of the following is insoluble in water ?
  - (1) Alcohol
  - (2) Simple salt
  - (3) Coconut oil
  - (4) Sugar
- **55.** A fabric is made of :-
  - (1) Yarn
  - (2) Coir
  - (3) Hair
  - (4) None of these
- **56.** Which of the following is irreversible ?
  - (1) Cold milk to hot milk
  - (2) Water to water vapours
  - (3) Woollen yarn to knitted sweater
  - (4) Raw egg to boiled egg
- 57. The process of settling down of the particles of an insoluble solid in a liquid is called.
  - (1) Decantation
  - (2) Sedimentation
  - (3) Winnowing
  - (4) Sieving
- 58. Which of the following is not a source of potable water :-
  - (1) Well
  - (2) River
  - (3) Lake
  - (4) Sea
- **59.** Nylon is a/an fibre :-
  - (1) Plant (2) Animal
  - (3) Synthetic (4) None of the above
- 60. An oiled paper acts as a \_\_\_\_\_ material :-
  - (1) Transparent (2) Translucent
  - (3) Opaque (4) Both (1) and (3)



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		BIC	DLO	GY						
61.	The joint which allows	frontward and backward	move	ement of head is :-						
	(1) Hinge joint		(2) Ball and socket joint							
	(3) Pivot joint		(4)	Fixed joint						
62.	The process of converti	ng kitchen waste to manu	ire is	known as :-						
	(1) recycling	(2) composting	(3)	land filling	(4)	reducing				
63.	Which of the following	nutrients in food makes	it ene	ergy rich ?						
	(1) Carbohydrates		(2)	Minerals						
	(3) Vitamins		(4)	Roughage						
64.	Which of the following	is biotic component in te	errest	rial habitats ?						
	(1) Air	(2) Rock	(3)	Plants	(4)	Light				
65.	The broad part of leaf is	s called :-								
	(1) petiole	(2) veins	(3)	lamina	(4)	midrib				
66.	The bones at the elbow	are joined by a joi	int.							
	(1) ball and socket		(2)	pivot						
	(3) hinge		(4)	fixed						
67.	Sea aminals like dolphi	ns and whales breathe the	ough	their :-						
	(1) gills	(2) blowholes	(3)	skin	(4)	spiracles				
68.	Deficiency of which mi	ineral in our food causes	anaer	nia :						
	(1) Iron	(2) Magnesium	(3)	Manganese	(4)	Sodium				
69.	The innermost part of a	flower is :-								
	(1) petal	(2) sepal	(3)	ovary	(4)	ovule				
70.	Which of the following	animals have an outer sk	eleto	n ?						
	(1) frog	(2) cockroach	(3)	snake	(4)	elephant				
71.	When you say organism	ns, you mean-								
	(1) all animals		(2)	all plants						
	(3) all birds		(4)	all living things						
72.	Which of the following	packaging materials show	uld b	e preferred for keepi	ng th	e environment safe :-				
	(1) Plastic bag		(2)	paper bags						
	(3) jute bags		(4)	Both (2) and (3)						
73.	Which of the following	is not rich source of carb	ohyc	lrate :						
	(1) Gram	(2) Potato	(3)	Wheat	(4)	Maize				

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- 74. Which of following animal can live both on land and in water ?
  - (1) frog (2) fish
  - (3) silverfish (4) crow
- **75.** The process by which food is prepared in leaves is knows as :-
  - (1) respiration
  - (2) transpiration
  - (3) photosynthesis
  - (4) regeneration
- 76. Which of the following joint is immovable ?
  - (1) shoulder and arm
  - (2) knee and thigh
  - (3) upper jaw and skull
  - (4) lower jaw and upper jaw
- 77. Which of the following is/are characteristics of living beings ?
  - (1) respiration
  - (2) reproduction
  - (3) excretion
  - (4) All of these
- 78. Dietary fibres are also known as :
  - (1) Undigested food
  - (2) Roughage
  - (3) Essential amino acid
  - (4) All of the above
- 79. Which of the following terms constitute the female part of the flower ?
  - (1) sepals, petals and stamen
  - (2) stigma, style and ovary
  - (3) ovary, stamen and stigma
  - (4) ovary, style and stamen
- 80. Fishes show which type of movement ?
  - (1) crawling
  - (2) swimming
  - (3) slithering
  - (4) concertina



#### MATHEMATICS

- 81. If n represents any integer, then which expression represents multiple of 4?
  - (1) 4 + n (2) 4n (3)  $\frac{n}{4}$  (4) n 4
- 82. The following pictograph shows the number of computers sold by a company during a week.



Look at the pictograph and answer the question given below : On which day was the sale maximum ?

- (1) Thursday (2) Monday (3) Friday (4) Tuesday
- **83.** Which among the following is not a rectangle ?



- **84.** The sum of predecessor of -16 and successor of 16 is :
  - (1) 17 (2) 1 (3) -1 (4) 0

**85.** Arrange the following in descending order :  $\frac{1}{2}$ ,  $\frac{5}{18}$ ,  $\frac{4}{9}$ ,  $\frac{7}{27}$ .

(1)  $\frac{1}{2}$ ,  $\frac{5}{18}$ ,  $\frac{4}{9}$ ,  $\frac{7}{27}$ (2)  $\frac{7}{27}$ ,  $\frac{5}{18}$ ,  $\frac{4}{9}$ ,  $\frac{1}{2}$ (3)  $\frac{1}{2}$ ,  $\frac{7}{27}$ ,  $\frac{4}{9}$ ,  $\frac{5}{18}$ (4)  $\frac{1}{2}$ ,  $\frac{4}{9}$ ,  $\frac{5}{18}$ ,  $\frac{7}{27}$ 

**86.** Find the perimeter of an equilateral triangle, each of whose sides measure 9 cm :

- (1) 24 cm (2) 25 cm (3) 27 cm (4) 28 cm
- 87. If the radius of a circle is 3.28 cm. Its diameter is :
  - (1) 1.64 cm (2) 328 cm (3) 6.56 cm (4) 5.34 cm
- **88.** How many lines of symmetry are possible in the following triangle ABC in which AB = AC:



**89.** My mother divided a pineapple into 12 parts. I ate 5 out of them. My sister ate 3. What fraction of pineapple remained ?

(1) 
$$\frac{1}{12}$$
 (2)  $\frac{3}{12}$  (3)  $\frac{5}{12}$  (4)  $\frac{4}{12}$ 

**90.** The number of visitor in a science exhibition on different days of a week is shown below : Look at the given pictograph and answer the following question:

Day	Number of Visitors = 100 visitors
Monday	<b>\</b>
Tuesday	▓▓▓▓▓▓▓
Wednesday	<b>₹₹₹</b> ₹₹₹₹₹₹₹
Thursday	<b>₹₹₹₹</b> ₹₹₹₹₹
Friday	<b>₹</b> ₹₹₹₹₹₹₹₹
Saturday	************

On which days was the number of visitors equal to 1250 on two days taken together?

(1) Monday and Tuesday

- (2) Tuesday and Wednesday
- (3) Friday and Saturday
- (4) Thursday and Friday



91.	In the below pictograph	, number of Giraffe are _		of number of Zebra	•	
	Giraffe	A A A a	4			
	Zebra	m m				
	Tiger	0000	1			
	Wolf		~			
	Bear 🥀 🎢					
	(1) 5 times	(2) 6 times	(3)	4 times	(4)	2 times
92.	A Semi-circle has	lines of symmetry				
	(1) 5	(2) 2	(3)	1	(4)	4
93.	If $x = 5$ and $y = x + 7$ , t	hen the value of $x^2 + y =$				
	(1) 37	(2) 30	(3)	28	(4)	27
94.	Number of rays formed	in the given figure is :				
	(1) 3	(2) 2	(3)	1	(4)	4
95.	How many rays can a li	ine AB show if O is a point	nt ma	arked between A and	l B ?	
	(1) 2		(2)	1		
	(3) 0		(4)	None of these		
96.	The diameter of a circle	e is 7 cm. Its circumference	ce is	:		
	(1) 44 cm	(2) 22 cm	(3)	28 cm	(4)	14 cm
97.	2 less than $-3$ is :					
	(1) -1	(2) 1	(3)	-5	(4)	5
98.	(7248 – 2427) estimated	d to the nearest hundred is	s :			
	(1) 4900	(2) 4800	(3)	4841	(4)	5000
<del>99</del> .	4 more than $-5$ is :					
	(1) 9	(2) -9	(3)	-1	(4)	1
100.	The sides of a triangle side is :	are in the ratio 3 : 2 : 5 an	nd its	s perimeter is 30 cm.	The	length of the longest
						10
	(1) $20 \text{ cm}$	(2) 15 cm	(3)	10 cm	(4)	12 cm

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101.	• In the given figure, line x, y and z are called —— lines.										
			$\prec$	→y							
			( <b>2</b> )	Z		<b>T</b> 1					
100	(1) Collinear	(2) Parallel	(3)	Concurrent	(4)	Iransversal					
102.	One egg has a mass of a	about 65 g. what is the m	ass o	f 2 dozen eggs ?							
	(1) 1560 g	(2) 1344 g	(3)	1300 g	(4)	1040 g					
103.	Which of the following	angle cannot be construc	eted u	sing ruler and compa	asses	only?					
	(1) $70^{\circ}$	(2) $22\frac{1}{2}^{\circ}$	(3)	112 <sup>1</sup> /2°	(4)	150°					
104.	What is the product of l	argest 3-digit number and	d sma	allest 4-digit number	?						
	(1) 99900	(2) 9990000	(3)	990000	(4)	999000					
105.	Two regular hexagons	of perimeter 30 cm each	are	joined as in figure.	The	perimeter of the new					
	figure is :	$\sim$									
		[	$\sum$								
			$\langle \rangle$								
	(1) 65 cm	(2) 60 cm	(3)	55 cm	(4)	50 cm					
106.	The sum of 4y and $3y^2$	is :			. ,						
	(1) $7y^3$		(2)	$7y^2$							
	(3) $4y + 3y^2$		(4)	None of these							
107.	In SI system unit of are	a is :									
	(1) meter		(2) cm square								
	(3) meter square		(4) meter cube								
108.	Which type of angle has	s a measure that is smalle	er tha	n a right angle ?							
	(1) Acute		(2)	Obtuse							
	(3) Straight		(4)	Reflex							
109.	$13 - (12 - 6 \div 3) = ?$										
	(1) 11		(2)	3							
	(3) $\frac{7}{7}$		(4)	None of these							
	(3) 3		()	Trone of these							
110.	By solving $\left(\frac{-72}{-8}\right) +$	$\left(-3 \times -9\right) + \left(-4\right) +$	- 2, ye	ou will get :-							
	(1) 34	(2) -34	(3)	24	(4)	-24					

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111. There are 1000 children who were asked about their hobbies. The children who told about their hobby, has been shown below. But some children didn't reply.

Hobbies	No. of Children
Dancing	****
Singing	
Playing	*****
Travelling	*******
Adventuring	1888 <u>-</u>
	One ∦ represent
	25 children

Which of the following is the correct pictorial representation for the children who did not reply?



112. Samar takes 10 rounds of a square garden. The side of the square if the total distance covered by her is 2000 m is :

(2) QS

(4) None of these

- (1) 200 m (2) 50 m (3) 25 m (4) 100 m
- 113. Line of symmetry of Rhombus PQRS is D

S	—— R
Ŭ	/``
1	
1	1
1	1
	1
r —	

- (1) PR
- (3) Both (1) & (2)
- **114.** The smallest of the fractions  $\frac{6}{11}, \frac{7}{11}, \frac{8}{11}, \frac{9}{11}$  is
  - (1)  $\frac{6}{11}$  $\frac{7}{11}$ (2)
  - (3)  $\frac{8}{11}$
  - (4)  $\frac{9}{11}$
- 115. 1512 when rounded off to the nearest hundred is :
  - (1) 1600 (2) 1500
  - (3) 1510 (4) None of these



**116.** Students of Class VI in a school were given a task to count the number of articles made of different materials in the school. The information collected by them is represented as follows :-

	Material used	Articles	= 20 articles	
	Wood			
	Glass	Ħ		
	Metal			
	Rubber	⊞ □		
	Plastic	⊞₽₽		
	Observe the picto What is the total r	graph and answer the for number of articles coun	bllowing question : ted by the students ?	
	(1) 120	(2) 140	(3) 180	(4) 160
117.	Which of the follo	owing letters is not sym	metrical?	
	(1) W		(2) M	
	(3) U		(4) L	
18.	What will be the	value of $3x^2 + 9z^3$ when	x = 2 and $z = -1$ ?	
	(1) 21		(2) 9	
	(3) 3		(4) -3	
119.	Which type of any	gle best describes angle	Q ?	
	P	R		
	(1) Acute	5	(2) Right	
	(3) Obtuse		(4) None of the	ese
20.	Which of the follo	owing could not be the	angles of a triangle :-	
	(1) 10, 80, 90	(2) 20, 70, 100	(3) 45, 40, 95	(4) 30, 60, 90



## ASAT : CLASS-VII SAMPLE TEST PAPER

Q.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Α.	4	4	3	2	2	3	3	1	3	1	1	1	1	2	4	4	3	3	4	3
Q.	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
Α.	3	4	1	1	4	2	3	1	2	1	1	3	3	3	3	2	4	2	2	2
Q.	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
Α.	4	1	1	1	3	1	2	2	3	4	3	1	2	3	1	4	2	4	3	2
Q.	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
Α.	3	2	1	3	3	3	2	1	4	2	4	4	1	1	3	3	4	2	2	2
Q.	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Α.	2	1	4	4	4	3	3	2	4	1	4	3	1	4	1	2	3	2	3	2
Q.	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
Α.	3	1	1	4	4	3	3	1	2	1	4	2	3	1	2	4	4	3	3	2

### **ANSWER KEY**