





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° in the clockwise direction and then 45° 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) $0 \pm$ [•]

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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
- 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) SUDERFICUUS (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) OIWEIOD (2) POLEWIC (3) BOFEWIC (4) BOLEMIO
- **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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		Р	HYSI	CS		
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 ele	ctric circuit, then th	at cire	cuit is said to be :-
	(1) Open		(2)	Close		
	(3) Both (1) and (2)			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 ba		(3)		(1)	Tone of these
51.	(1) Magnetic effect o		(2)	Chemical effect of	fcurre	ent
	(3) Heating effect of					
32.	., _	le wheels running on roa		6 6		
	(1) Translational mot	-	(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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34.	A pinhole camera is us	sed to produce imag	e of a large	distant tree. It produ	ices
	(1) an erect and small	l image	(2)	an erect and same s	size image
	(3) an Inverted and su	mall image	(4)	an inverted and sar	ne size image
35.	Which of the followin	g will NOT be attrac	cted by a ma	agnet ?	
	(1) Iron		(2)	Nickel	
	(3) Gold		(4)	Cobalt	
36.	The distance from a pe	erson's elbow to the	tip of the ex	xtended middle fing	er is known as :
	(1) Fathom		(2)	Cubit	
	(3) Span		(4)	Pace	
37.	Metals are good condu	ictors as they have			
	(1) Large number of	free protons			
	(2) Less number of fr	ree electrons			
	(3) Large number of	free neutrons			
	(4) Large number of	free electrons			
38.	If the angle of Inciden	ce for a given light	ray is 60°, tl	nen find the value of	² X.
				x	
	(1) 60°	(2) 30°	(3)	45°	(4) 120°
39.	Bar magnet is an exam	nple of :			
	(1) Natural magnet		(2)	Artificial magnet	
	(3) Electromagnet		(4)	None of these	
40.	As shown in figure be Rectangular block Tennis ball Tennis ball Rukr 1 cm 7.7 cm	low, what is the radi			
	(1) 6.7 cm			3.35 cm	
	(3) 7.7 cm		(4)	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 CO₂
 - (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 join	nt	
	(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	XXXXXX
Tuesday	▓▓▓▓▓▓▓
Wednesday	₹₹₹ ₹₹₹₹₹₹₹
Thursday	₹₹₹₹ ₹₹₹₹₹
Friday	₹ ₹₹₹₹₹₹₹₹
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
99 .	4 more than -5 is :					
	(1) 9	(2) -9	(3)	-1	(4)	1
100.	The sides of a triangle a side is :	are in the ratio 3 : 2 : 5 an	nd its	s perimeter is 30 cm.	The	length of the longest
	(1) 20 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.	
			× v	
	(1) Collinear	(2) Parallel	(3) Concurrent	(4) Transversal
102.		about 65 g. What is the m		< / ·
	(1) 1560 g	(2) 1344 g	(3) 1300 g	(4) 1040 g
103.	Which of the following	angle cannot be construc	cted using ruler and comp	basses only ?
	(1) 70°	(2) $22^{1/2^{\circ}}$	(3) 112 ¹ /2°	(4) 150°
104.	What is the product of l	argest 3-digit number and	d smallest 4-digit number	r ?
	(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		
		[\searrow	
	(1) 65 cm	(2) 60 cm	(3) 55 cm	(4) 50 cm
106.	The sum of 4y and $3y^2$ i	is :		
	(1) $7y^3$		(2) $7y^2$	
	(3) $4y + 3y^2$		(4) None of these	
107.	In SI system unit of area	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 than a right angle ?	
	(1) Acute		(2) Obtuse	
	(3) Straight		(4) Reflex	
109.	$13 - (12 - 6 \div 3) = ?$			
	(1) 11		(2) 3	
	(3) $\frac{7}{3}$		(4) None of these	
110.	By solving $\left(\frac{-72}{-8}\right) +$	$\left(-3 \times -9\right) + \left(-4\right) +$	- 2, you 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	222222
Playing	*****
Travelling	******
Adventuring	
	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 S _____ D

Р	Q
(1) DD	

- (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	⊞₽			
	-	graph and answer the number of articles co			
	(1) 120	(2) 140	(3)	180	(4) 160
117.	Which of the follo	owing letters is not sy	mmetrical?		
	(1) W		(2)	М	
	(3) U		(4)	L	
118.	What will be the	value of $3x^2 + 9z^3$ wh	en x = 2 and z =	-1?	
	(1) 21		(2)	9	
	(3) 3		(4)	-3	
119.	Which type of an	gle best describes ang	gle Q ?		
	P	R			
	T (1) Acute	s	(2)	Right	
	(3) Obtuse		(4)	None of	these
120.	Which of the follo	owing could not be th	e angles of a tri	angle :-	
	(1) 10, 80, 90	(2) 20, 70, 1	00 (3)	45, 40, 9	(4) 30, 60, 90



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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