DEV LULLA SIR'S



Culla Classes



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SCHOLARSHIP CUM ADMISSION TEST

LSAT MOVING TO STD 9

Time 1 hrs Marks: 150

General Instructions

- 1. This booklet consists of 50 questions. Time allowed will be 60 minutes
- 2. The answer sheet, OMR, is provided separately. DO NOT tamper with/ Mutilate the OMR or the booklet
- 3. Submit OMR sheet when asked for by the invigilator. Write all the details which are requested for in capital letters.
- 4. Side spaces of the question paper booklet may be used for rough work.
- 5. Marking System: The total test is of 150 marks. +3 marks will be awarded for every correct answer and -1 will be awarded for every incorrect answer.

ANSWER THE BELOW GIVEN QUESTIONS ON THE OMR SHEET ONLY

1.	If $m = (2 - a)$ then $(a + b)$	$a^3 + 6am + m^3 - 8$ is		
	(a)0	(b) 1	(c)2	(d)3
2.	Which of following pa	airs of equations have s	same solution ?	
	(a) $6x = 3$ and $3x = 1$.5(b) 8x = 3 and 4x =	1(c)10x = 9 and 5x =	18 (d) 12x = 6 and $6x = 6$
3.	-	nal and external bisecto		
	(a)90°	(b) 180°	(c)270°	(d)30°
4.	In figure $\angle POR$, $\angle Q$	OR form a linear pair a	nd $a-b=40$ °. Then	, a, b respectively are
	(a) 110 $^{\circ}$, 70 $^{\circ}$	(b)70°, 100°	(c)80°,120°	(d)120°,80°
5.	In given figure, ΔABC	C is an Isosceles triang	gle with	
	AB = AC and ΔABC	$=50~^{\circ}$ is $\angle B$	DC.	
	(a) 100 $^{\circ}$, 60 $^{\circ}$	(b) 50 $^{\circ}$, 120 $^{\circ}$	В 60	C
	(c) 60 $^{\circ}$, 80 $^{\circ}$	(d) 80 $^{\circ}$, 100 $^{\circ}$	\ \ \	
	• •	,		
6.		percent is made in area	a of rectangle by decre	easing its length and
	increasing its breadth (a) 2.5% increase	(b)0.25% decrease	(a)0.25% docrosso	(d)2.5 docrease
7.	• /	• /		ratio 4 : 5, then ratio of their
٠.	heights is		their diameters are in	Tatio 4 : 0, then ratio of their
	(a)1:5	(b)5:4	(c)5 : 16	(<i>d</i>)25 : 64
8.				l zero were wrongly taken as
		determined. The corre		
^	(a) 15	(b) 14.5	(c)13.5	(d)12
9.		fter three years,		nis son. If son shall attain an
	(a)60 years		(c)48 years	
10.	•	•	•	3:5:7. After a year C invests
			600.Ratio of investme	nts then changes to 24:59:167.
	amount did		() D 444000	(1)
	(a)Rs.45600	(b)Rs.96000	(c)Rs.141600	(d)None
11.	is value o	of x if $\frac{2^{x-3}}{x} = \frac{32}{(12)^{x}}$		
		8^{-x} $(4)^{\binom{1}{2}x}$		

	(a) $2\frac{1}{5}$	$(b) 1\frac{1}{5}$	$(c) 3\frac{1}{5}$	$(d)1\frac{3}{5}$	
12.	$2.\overline{6} - 0.\overline{82} =$	-	-	•	
	$(a)\frac{182}{99}$	$(b)\frac{180}{999}$	$(c)\frac{175}{99}$	$(d)\frac{184}{999}$	
13.				ber and its reciprocal. Then,	
	$(a) \pm \sqrt{2}$	$(b) \pm \frac{1}{\sqrt{2}}$	$(c) \pm \sqrt{3}$	(d)Both (a) & (b)	
14.	figure is	drilaterals in a following			
	(a)10 (b) 6	(c)9 (d)No	ne		
15.	is value of	a if $(x-a)$ is a factor of	of polynomial $\left[x^6 - ax \right]$	$[5 + x^4 - ax^3 + 3x - a + 2]$	
	(a) a = -1	(b) $a = 1$ (c) $a = 1$			
16.	Number of ways of w	riting the number $\frac{1}{15}$ in	form $\frac{a}{3} - \frac{b}{5}$ (a, b are	integers) is	
	(a) 0	1		initely many	
17.	$\sqrt{\frac{\left(3\frac{1}{4}\right) - \left(4\frac{1}{3}\right)^4}{\left(3\frac{1}{4}\right)^2 - \left(4\frac{1}{3}\right)^2}} =$	1826	ASSES OF		
18.	following figure. If $\angle BCD = 110^{\circ}$, then	(b) $5\frac{5}{12}$ (c) $5\frac{12}{12}$ two cyclic quadrilatera $\Delta BEF =$	3	D D F E 1100 E	
19.	Probability of guessin	g correct answer to a	certain test question is	$\frac{x}{2}$. If probability of not	
	Probability of guessing correct answer to a certain test question is $\frac{x}{2}$. If probability of not guessing correct answer to this question is $\frac{2}{3}$, then $x =$				
	(a)2	(b)3	$(c)\frac{2}{3}$	$(d)\frac{1}{3}$	
20.		ode of following number 4,3,3,4,4,3,2,4,2,4			
21.	(a)3.47, 3, 3 Mirror used to view ta	` '	(c)4, 3, 3	(<i>d</i>)5, 4, 3	
۷۱.	(a)Concave	(b) convex	(c)plane	(d)Depends	
22.	(a)Dispersion	ue to of lig (b) Reflection		(d)None	
23.	SI unit of weight is (a) Kg	(<i>b</i>)gm	(c)Newton	(d)Quintal	
24.	* /	es of power1.5D . wh (b) Hyper metropia	nat defects does she h	\ /	

25.	what is the unit of	rrequency.			
	(a)Hertz	(b) sec $_{\scriptscriptstyle -1}$	(c)Khz	(d)All of the i	above
26.	Guru Gobind singh	was			
	(a)10 th Guru of Sik	ths (b) Founder of khal	sa (c) Author of	f Daram Granth	(d)All of the above
27.	The ozone layer re	stricts			
	(a) Visible light	(b)Infrared light	x rays	(d)UV rays	
28.	Ecology deals with	. /	•	, ,	
	/ \	cells (c) Relation betwee	en organism & d	environment	(d)Tissues
29.	Golden Temple is	* *			()
	(a)Largest Gurudv		$Burudwara\left(c ight)B$	oth A & B	(d)None
30.	Dr Zakir Hussain w		147		
	(a)The first muslin	n president of India	1S (b)F	irst vice preside	nt of India
	/ N	of Indian National Cong	7 3 1	irst speaker of L	
31.		tilization takes place in			
• 1.	(a)Ovary	(b) Oviduct	(c)Uteras	(d)Va	ngina
32.	is an er		(0)010,00		9.1.4
02.	(a) Urethra	(b)Oviduct	(c)Penis	(d)Te	estis
33.	Alligators are poac			(6,)	
.	(a)Bones	(<i>b</i>) fur	(c)skin	(d)tee	eth
34.	()	ving cell-organelle initia			
04.	(a)Ribosome	(b)Nucleus	(c)Chloropla		entrosome
35.	The first true synth		(c) Oniotopic		madome
00.	(a)Rayon	(b)Nylon	(c)Polyeste	r = (d)Sr	pandex
36.	• / -	ving has highest calorific	()	(6) 00	Allack
00.	(a)Petrol	(b)Hydrogen	(c)Diesel	(d)Ke	erosene
37.	\ /	dle flame undergoes co	()	` /	1000110
07.	(a)Outer	(b) Middle	(c)inner	(d)all	
38.	()	aracteristics property of	()	(67)411	
00.	(a)Metals	(b) Non-metals	/ \	s (d) No	nne
39.	\ /	on is coated with	` /	(67)110	
00.	/ \\\		(c)Phospho	rus (d) Sil	ver
40.	· /	silver reacts with	. ,	(4) (4)	
10.	(a)Oxygen			ioxide (d) Hy	rdrogen
	()	` '	• /	` '	letes the sentence. For
		propriate answer is (d) e	•	•	
41.					ld the old house and
	in a small flat in a f				
	(a)Set them up	\ / ·	` '		$\left(d ight)$ put them up
42.		new building has been		/ \	
	(a)held down	(b)held up	(c)held on	(d)he	ld off
	•	entences given below a		•	
	-	Identify that part and bl			_
43.	•	swer sheet. If there is n			
43.		<u>dians, two Canadians (a</u> ain peak on its third atte			<u>cessiui iii</u> (n) <u>ciiiiiniii</u>
44.					om the mere fact of his
		t sense of inward secu			

Select the alternatives which you consider both most correct and most effective according to the requirements of standard written English If you think that the original sentence is the best. Mark 'E" which means 'No improvement' in needed."

45.	He is a genius althou	gh he is eccentric an	d wants recognition	
	(a) Although he is eccentric he is a genius and wants recognition.			
	(b) Although he is ec	centric he is a genius	although he wants red	cognition
	(c)His is a genius alt	hough he is eccentric	and although is wants	s recognition.
		•	cognition, he is a geniu	•
	(e) No change			
46.	• /	tion was deafening w	hich made conversion	difficult
	()		g and it made convers	
	(b)The deafening no	ise at the function ma	ade conversation.	
	-		h made conversation	
	(d)No change	11	is War	
	()	ng guestions parts of	a logically and themat	ically connected sentences are
				ver choices. Pick up the correct
	ordering.		Man Resident	
47.	During hibernation P. they find that they	have lost a good de	al / of weight	3
	Q. of course the anim		ar / or weight.	<u>a</u>
	R. and when they aw		(4.1)	3
	S. the fats accumula			3 /
	The proper sequence (a) RQSP	(b)SQPR	(c)PQRS	(d)QSRP
48.	The natives of the Ca		ASS	(a) QOITI
40.	P. regarded the papa			
	Q. because of its abi	lity		
	R. as a magic tree	altha		
	S. to keep them hear The proper sequence	-		
	(a)PRQS	(b)RPQS	(c)PRSQ	(d)RPSQ
	First and the last sen	tence of a well conne	cted paragraph are giv	ven and coded as questions.
				quence in the paragraph. Pick
40	•	•	ces from the answer ch	
49.				
	$S_{\scriptscriptstyle 6}$ Many Indian institutes of Science and Technology run special programmes on polymer			
	science. P · Above all they a	re cheaner and easie	r to process. Making t	hem a viable alternatives to
	metals.	e cheaper and casic	r to process. Making t	nem a viable alternatives to
	<u>-</u>		of hydrocarbon molecu	les.
		_	nave been developed.	humpore in core
	The proper sequence		romium plated metallic	bumpers in cars.
	(a)QRSP	(b)RSQP	(c)RQSP	(d)QRPS
50.			es are the masters or w	()
	S_6 And if they don't t			
	·			o drink from time to time.
			ooking after and waiting	
	R: Yet he has grown so dependent on them that they have almost become the masters now.			
	S: It is very true that The proper sequence		the sole purpose of be	ing man's servants.
	(a)RSQP	(b)RSPQ	(c)SPQR	(d)SRQP
		(3)1101 &	(0)01 (4)1	

Solutions

Solutions					
1.	(a)0	26.	(d)All of the above		
2.	(a) $6x = 3$ and $3x = 1.5$	27.	(d)UV rays		
3.	(a)90°	28.			
4.	(a)110°, 70°	29.	(a)Largest Gurudwara		
5.	(d)80°, 100°	30.	(a)The first muslim president of India		
6.	(c)0.25% decrease	31.	(b) Oviduct		
7.	(d)25 : 64	32.	(d)Testis		
8.	(c)13.5	33.	(c)skin		
9.	(<i>d</i>)45 years	34.	(d)Centrosome		
10.	(c)Rs.141600	35.	(b) Nylon		
11.	$(d)1\frac{3}{5}$	36.	(b) Hydrogen		
12.	$(a)\frac{182}{99}$	37.	(a)Outer		
13.	(d)Both (a) & (b)	38.	(b) Non-metals		
14.	(d)None	39.	(b)Zinc		
15.	(a) a = -1	40.	(b) Sulphur		
16.	(d)Infinitely many	41.	(c)set them down		
17.	$(b) 5 \frac{5}{12}$	42.	(b) held up		
18.	(d)110°	43.	(b)		
19.	$(c)\frac{2}{3}$	44.	(c)		
20.	(a)3.47, 3, 3	45.	(b)		
21.	(b) convex	46.	(b)		
22.	(c)Scattering	47.	(d)		
23.	(c)Newton	48.	(a)		
24.	(а) Муоріа	49.	(a)		
25.	(d)All of the above	50.	(d)		