DEV LULLA SIR'S



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SCHOLARSHIP CUM ADMISSION TEST

LSAT MOVING TO STD 8

Time 1 hrs Marks: 150

General Instructions

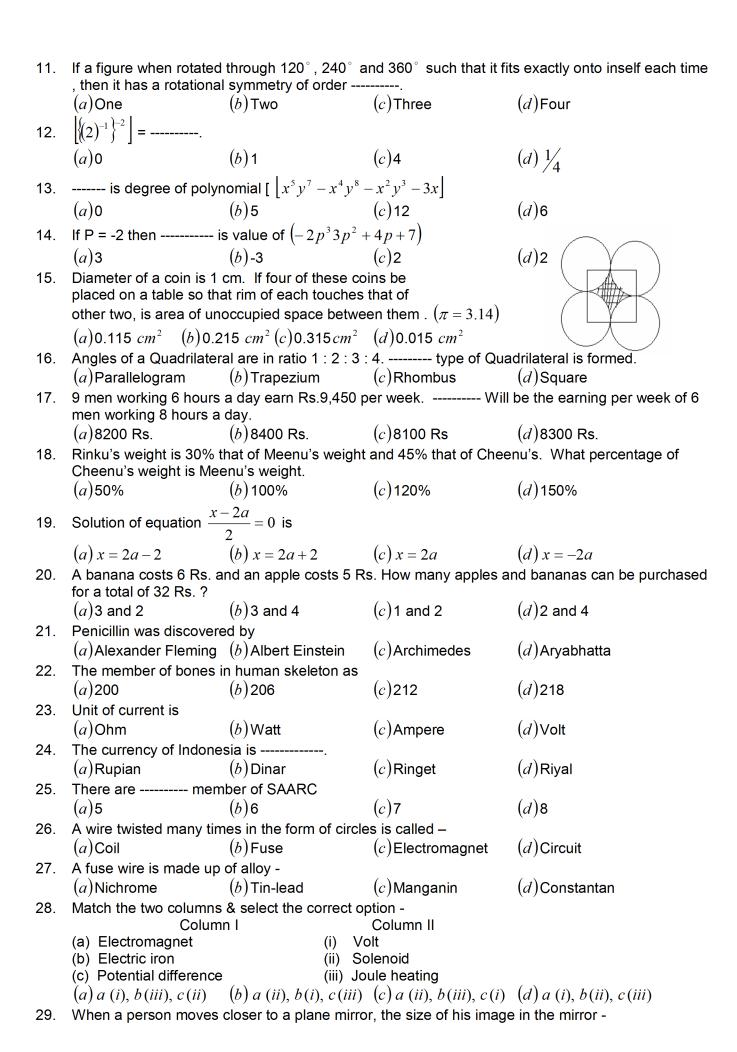
_					
1	Thic booklot a	conciete of 50	auactions Time	2 211014104 141	ill be 60 minutes
т.	THIS DOOKIEL (auestions, min	aliowed w	iii be oo iiiiiiutes

- 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 THE BELOW	awarded for every inco GIVEN OUESTIONS ON		Y		
	2.1 2.1 4020110110 011	3 3	•		
$\frac{17}{0}$ is					
(a)a counting number	(b)a whole number	(c)a rational number	(d)none of these		
874000000 can be written in scientific notation as					
(a) 8.74×10^7	(b) 8.74×10^8	(c) 87.4×10 ⁷	$(d)87^4 \times 10^6$		
$\sqrt[3]{(2.54+a)^3} =$	if $a = 0.46$				
(a)1	(b)2	(c)3	(<i>d</i>)0		
If E stands for an even		for an odd number, de	cide		
$2O^3 + E^3$ is nu					
(a)even	(b) odd	(c)special	(d)none		
If $(a+b)^3 = 729$ and $(a-b)^2 = 25$ then are values of a and b .					
(a)2, 7					
x = 5 and $y = 7$ are line parallel to and axis respectively in a graph.					
(a) X – axis , Y- axis	(b)Origin on X- aixs	(c)Y – axis, X – axis	(d)On Y- axis, origin		
is mean of fi	* *	` '	. ,		
(<i>a</i>)16.5	(b) 15.5	(c)17.5	(<i>d</i>)16		
Rahul notes the time when his bus has been coming for the last 11 days.					
8 : 52 am 8 : 53 am 8 : 58 am	8 : 48 am	8 : 48 am			
8 : 53 am	8 : 49 am 8 : 57 am	8 : 47 am	8.46 am		
If Rahul reaches his bus stop at 8 : 55, what is probability that he has missed the bus?					
$(a)\frac{6}{11}$	$(b)\frac{8}{11}$	$(c)\frac{10}{11}$	$(d)\frac{12}{11}$		
If $x5y4z$ is exactly divisible by 9, then the least value of $x + y + z$ is					
(a)True statemen	(b)Answer is 9	(c)False statement	(d)None		

10. A circular were of radius 42 cm is cut and bent in form of a rectangle whose sides are in ratio of 6:5. ----is smaller side of rectangle.

(b) 80 cm (c)100cm (d)40 cm (a)60 cm



	(a) Increases (b) Remains same (c) Decreases (d) First increases, then decreases				
30.	The image of teeth seen by dentist while testing teeth is -				
	(a) Erect & real (b) Erect & virtual (c) Inverted & virtual (d) Inverted & real				
31.	Mercury is used as a thermometer substance because -				
	(a)It is very $costly(b)$ It expands less than $glass(c)$ It does not wet the wall of $glass$ tube (d) None				
32.	Raghav categorized the following household items into acids & bases -				
	Acids Bases				
	(1) Lemon(2) Antacid(5) Vinegar				
	(3) Tea (6) Curd				
	Which of them are placed under wrong category.				
	(a)3 & 5 (b) 2 & 6 (c) 3, 4 & 5 (d) 2, 5 & 6				
33.					
	(a)Change in size & temp.(b)Change in state(c)Change in colour (d) Change in substance				
34.	What happens during a cyclone -				
	(a) Heat is absorbed from the atmosphere				
	(b) Warm air rises up & causes drop in the pressure				
	(c)Cool air, being heavier settle down with increase pressure.				
	(d)How speed wind revolve around the high pressure system.				
35.	How atmosphere pressure exists on the earth in which of the following latitudes?				
	(a) At the equator (b) At 30 $^\circ$ N and S (c) At the poles (d) At the equator & at 60 $^\circ$ N and S				
36.	Which of the following does not happen, when we breathe in?				
	(a) Air rushes into lungs (b) Our ribs are raised				
	(c)Our diaphragm is relaxed & raised (d) The volume of our chest increases.				
37.	Pulmonary carries rich blood from heart to the lungs & pulmonary carries rich blood from the lungs to the heart.				
	(a) Vein, CO_2 , Artery, O_2 (b) Vein, O_2 , Artery, CO_2 (c) Artery, CO_2 , Vein, O_2 (d) Artery, O_2 , Vein, CO_2				
38.	Germination takes place when the -				
	(a) Previously dormant embryo is activated				
	(b) Cotyledons emerge above ground.				
	(c)Hypocotyl or epicotyl emerges above ground.				
	(d)Vascular tissue begins the transport of water & minerals.				
39.	Which vitamins saves us from problem of bleeding gums?				
	(a) Vit A (b) Vit B (c) Vit C (d) Vit D				
40.	Identify the food that is considered to be complete except that it lack fibres.				
_	(a) Maize (b) Mango (c) Milk (d) Methi				
Read	d the passage and answer the following questions no 41 to 45				
	Software technology will soon replace the routine of singling out and frisking airport passengers based on discretion currently practiced at all airport nationwide. Advanced Passenger Profiling System-developed by National Informatics Centre and installed at IGI's Terminal 3 in March 2014				
	System as to open by tradenal information control and installed at 1015 Terminal of in Maior 2014				

Software technology will soon replace the routine of singling out and frisking airport passengers based on discretion currently practiced at all airport nationwide. Advanced Passenger Profiling System-developed by National Informatics Centre and installed at IGI's Terminal 3 in March 2014 is a database – driven system that records details of every passenger entering or leaving the country. Based on traveling pattern and profile details of passengers, APIS' built-in algorithm detects and sends alerts to custom officials. Already in place in the United States and several other developed countries, such a passenger profiling system is used as a preventive measure to identify possible threats to airspace. Installed as an anti-smuggling initiative, the system is ultimately expected to act as a counter-terrorist measure. While the records that US maintains for its flyers is exhaustive -50 details for every Passenger, the system that has been installed in Delhi has 20 entries to every passenger such as name, address, passport number and nationality, among others. "The work on compiling the database began around a year ago. Data was collected from airports across India. In APIS we have set certain parameters like origin and destination apart from personal info. Over a period of time we get a pattern of travel from which

we are able to draw some conclusions," said an airport source. The officer explained that particular points in the global airspace are known for being sources of illegal gold trade. In case a passenger to India has made trips to those venues repeatedly and at certain times, the system will issue an alert and inputs will be obtained about that passenger.

The airport source said 100 suspicion alerts on individuals have already been raised and more

	discretioinary powers	s to single out p happening be will thus be co be drawn from	people, whetween smoonpletely the passa	nich sometime augglers and cu weeded out. age ?	becomes stoms of	oms officials cannot us a tricky, ethical quest ficials colluders in the	
	(b)Custom officials a					na.	
	(c)India is copying L				00	·	
	(d)All of these.		97.				
42.	What is Advanced Pa	assenger Profi	lina Svste	m ?			
					d system	based on entering an	d exist
	(c)Information Techr	-	. ,		-	_	
43.	What was the core p	• • •	· /				
	(a) Becoming techno	•		find corrupt cu	•		
	(c)To arrest terrorist		(d)Ar	nti-smuggling in	itiative		
44.	Choose the most app	oropriate synor	nym of the	word DISCRE	TION.		
	(a)Ignorance	(b) Neglige	nce	(c)Judgemer	nt	(d)Heedless	
45.	Choose the most app						
	(a)Moral	(b)Kosher		· /		(d)Dishonest	
	out the nearest corr	ect meaning of	of synony	m of the word	ds given	below:	
46.	ABODE (a)Stop	(h) mounta	in	(c)plenty		(d)dwelling	
Pick .	out the antonyms o	· /		. ,		(a) dwelling	
47.	INTEGRAL	Tille Words gr	VCII DCIO				
	(a)Minor	(b)major		(c)essential		(d)independent	
Rear	range the following	six sentences	s (A), (B),	(C), (D), (E) ar	nd (F) in	the proper sequence	to
	a meaningful parag						
(A)	vve were interested hers to choose to stru				sons actu	ual teams and non-tea	ms had
(B)	Still, we suspected				ing reade	ers that ? terms are	
impor	tant?			•	•		
(C)		t teams are a v	vell-knowi	n subject and th	nere mus	t be a thousand books	on the
subje (D)	ct already.	nath we hone	to discov	or comothing to	s cay that	t was different from mo	net
	s on the subject.	patif we hope	to discov	er something to	Say Illa	t was different from the	JSI
(E)	We approached the	e idea of a boo	k on team	ns cautiously.			
(F)					uilding te	ams as an objective in	ı it self.
48.	Which of the follow	(b)B	SECOND (c) F	sentence?	(1)0		
40	(a)A	()	()	ntonoo 2	(d)C		
49.	Which of the follow $(a)E$	(b)A	(c)B	nience ?	(d)C		
50.	Which of the follow	()	()	entence ?	(4)0		
30 .	(a)E	(b)C		(c)B		(d)F	

Solutions

	Ociuli		
1.	(d)none of these	26.	(a)Coil
2.	$(b) 8.74 \times 10^8$	27.	(c)Manganin
3.	(c)3	28.	(c) a (ii) , b (iii) , c (i)
4.	(a)even	29.	(b) Remains same
5.	(d)7, 2	30.	(b) Erect & virtual
6.	(c)Y – axis, X – axis	31.	(c)It does not wet the wall of glass tube
7.	(c)17.5	32.	(d)2, 5 & 6
8.	$(b)\frac{8}{11}$	33.	(d)Change in substance
9.	(c)False statement	34.	(b)Warm air rises up & causes drop in the pressure
10.	(a)60 cm	35.	(a)At the equator
11.	(c)Three	36.	(c)Our diaphragm is relaxed & raised
12.	$(d) \frac{1}{4}$	37.	(c) Artery, CO_2 , Vein , O_2
13.	(c)12	38.	(a)Previously dormant embryo is activated
14.	(a)3	39.	(c)Vit C
15.	(b) 0.215 cm^2	40.	(c)Milk
16.	(b) Trapezium	41.	(A)
17.	(b)8400 Rs.	42.	(A)
18.	(d)150%	43.	(D)
19.	(c) x = 2a	44.	(C)
20.	(d)2 and 4	45.	(A)
21.		46.	(D)
22.	(b)206	47.	(C)
23.	(c)Ampere	48.	(D)
24.	(a)Rupian	49.	(A)
25.	(<i>d</i>)8	50.	(C)