



NSAT-2025

CLASS – VI (Mental Ability, Mathematics, Physics, Chemistry & Biology)
(Class VI Moving to VII)

NARAYANA SCHOLASTIC APTITUDE TEST (NSAT)

SAMPLE PAPER

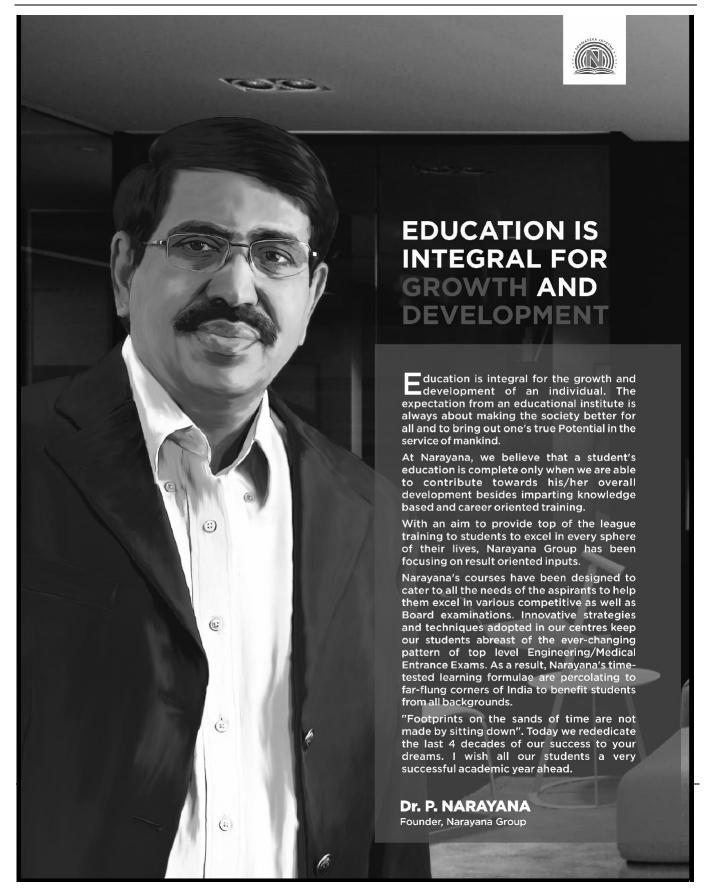
Time: 2:00 Hr.	Maximum n	narks:	300
I tinte. 2.00 III.	Muximum i	nui ns.	500

IMPORTANT INSTRUCTIONS:

- 1. The test Booklet consists of 75 questions. The maximum marks are 300.
- 2. There are five parts in the question paper of MAT (Q. No. 1 to 15) Mathematics (Q. No. 16 to 39), Physics (Q. No. 40 to 51), Chemistry (Q. No. 52 to 63) & Biology (Q. No. 64 to 75) having 75 questions. Each question is allotted +4 (four) marks for each correct response & 0 for each incorrect answer
- 3. Mark only one correct answer out of four alternatives.
- 4. Use Blue/Black Ball Point Pen only for writing particulars/marking.
- 5. Use of Calculator is not allowed.
- 6. Dark the circle in the space provided only.
- 7. Use of white fluid or any other material which damage the answer sheet, is not permissible on the Answer Sheet.

TO BE FILLED IN	CAPITAL LETTERS		
NAME OF THE STUDENT:			
FATHER'S NAME:			
CONTACT NUMBERS: SCHOOL NAME :			
ROLL NO.: TEST CENTRE :			
have read all the instructions and shall abide by them	I have verified all the information filled in by the Candidate		
Signature of the Candidate	Signature of the Invigilator		

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		MENTAL	ABILITY	
1.	'I' is related to 'R' in a	certain way. Similarly 'C	G' is related to	_·
	(1) R	(2) T	(3) S	(4) U
2.	In the given question	if + means -, \times means /,	- means + and / means \times	then find out the answer of
	the following question	$1. \ 1 - 564 - 36 + 40 - 60$		
	(1) 628	(2) 629	(3) 623	(4) 621
3.	P is Q's brother, X is l	P's mother, Y is X's father	er, Z is Q's son. How is Z	Z related to P?
	(1) Cousin	(2) Grandfather	(3) Nephew	(4) Uncle
4.	Directions: Find the 1	mirror image of the follo	wing numb <mark>ers:</mark>	
	275			
	P			7-0
	(1) 572	(2) 725	572 (E)	275 (4)
5.	If VICTORY is coded	l as YLFWRUB, how ca	n SUCCESS be coded?	
	(1) VXEEIW	(2) VXFFHVV	(3) VYEEHW	(4) VYEEIVV
6.	In a row Dhruv is 18 th	from left and 17 th from	right. How many person	s are there in the row.
	(1) 33	(2) 34	(3) 35	(4) 32
7.	If Red means yellow,	yellow means Blue, Blue	<mark>e</mark> m <mark>e</mark> ans Orange, Ora <mark>nge</mark>	means Green, Green
	means Red then what	is the colour of clear sky	TIC ADTITI	
	(1) Yellow	(2) Blue	(3) Orange	(4) Red
8.	A man walked 3m tov	wards north, turned west	and walked 2m, then tur	ned north again and walked
A	1m and then turned ea	ast and walked 5m. How	far away is he from the	starting point?
	(1) 1m	(2) 2m	(3) 3m	(4) 5m
9.		ER is written as SCTGW.		tten in that code?
	(1) ORVLGW	(2) PQVJGT	(3) PQXJJT	(4) PQXKJV
10.		hn said, "She is the daug	ghter of the only sister	of my father." How is John
	related to the girl?			
	(1) Uncle	(2) Cousin	(3) Father	(4) Grandfather
11.	0, 7, 26, 63, ?			
	(1) 111	(2) 124	(3) 121	(4) 128

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12.	If HAND is coded as IBOE, in the same way SILK can be coded as ?				
	(1) TJML	(2) TJNP	(3) TJPQ	(4) None of these	
13.	A is 6 km East of B,	C is 4 km North of B, l	D is 12 km south of C,	Now how far and in which	
	Direction is D From A	?			
	(1) 10 km South-West	(2) 10km North-East	(3) 40km South- west	(4) 40 km North-East	
14.	CE GI KM OQ ?				
	(1) TW	(2) TV	(3) SU	(4) RT	
15.	Direcrtions: Find the 1	mirror image of the follo	owing numbers:		
	5062				
	,				
	(1) 7095	(2) 7095	5062 (8)	(4) 2062	
		MATHEN	MATICS		
16.	Write 2 rupees and 50	paise as decimal.	ALL INC.		
	(1) Rs 2.005	(2) Rs 2	(3) Rs 2.05	(4) Rs 2.50	
17.	The perimeter of squar	re park is given as 32 <mark>0 m</mark>	n. The area of the square	park is	
	(1) 6400 m ²	(2) 640 m ²	(3) 64000 m ²	(4) 720 m ²	
18.	If O represents 5 eggs	how many eggs does OC	OOO represent?		
	(1) 4	(2) 16	(3) 20	(4) 25	
19.	The of each	bar gives the required in	nformation.	HIEVE	
	(1) Breadth	(2) Height	(3) Length	(4) None of these	
20.	Product of -140 and +8	8 is			
	(1) 1120	(2) 3200	(3) -1120	(4) -3200	
21.	Which of the following	g is the greatest negative	e integer?		
	(1)-1	(2) Does not exist	(3)–100	(4)-10	
22.	What is the fractional f	form of five eighteenths'	?		
	$(1) \frac{15}{18}$	(2) $\frac{18}{5}$	$(3) \frac{5}{18}$	(4) 5.18	

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23.	What is the simpli	fied form of the produc	t $\frac{12}{24}$ and $\frac{36}{72}$?			
	$(1) \frac{16}{24}$	(2) $\frac{3}{5}$	$(3) \frac{1}{4}$	(4) 1		
24.	Which pair has san	ne digits at hundreds pl	lace?			
	(1) 4232, 4341	(2) 5432, 6922	(3) 6524, 7823	(4) 2334, 2340		
25.	Which of the follo	wing statements is not	true?			
	(1) The HCF of tw	o distinct prime numbe	ers is 1			
	(2) The HCF of tw	o co prime numbers is	1			
	(3) The HCF of tw	(3) The HCF of two consecutive even numbers is 2				
	(4) The HCF of an	even and an odd numb	per is even			
26.	Write the natural n	numbers from 102 to 11	3. What fraction of them	are prime numbers?		
	(1)1/3	(2)1/2	(3)1/4	(4) None of these		
27.	Make the greatest	four digit number by us	sing <mark>any one digit twice b</mark>	oy 3, 8, 7?		
	(1) 8378	(2) 8873	(3) 3387	(4) 7783		
28.	When rounded off to nearest thousands, the number 85642 is					
	(1) 85600	(2) 85700	(3) 85000	(4) 86000		
29.	Decimal form of "	Three hundred six and s	seven-hundredths' is	C111F5/F		
	(1) 306.007	(2) 306.07	(3) 306	(4) 306.7		
30.	The square park and the rectangular park have the same area. The breadth of the rectangular park					
	when the side of the square park is 60 m and the length of the rectangular park is 90 m is					
	(1) 40 m	(2) 60 m	(3) 35 m	(4) 65 m		
31.	Give a proper frac	tion whose numerator is	s 5 and denominator is 7			
	(1) 7/5	(2)5/7	(3) 3/7	(4) None of these		
32.	How many millimeters are there in 8.05 km					
	(1) 80500	(2) 805000	(3) 8050000	(4) 805		
		Cnass	for rough work			
		Space J	joi iougii work			

NSAT - 2025 Class VI TO VII 33. The pictograph given below shows the number of deliveries made by a florist during a week. Monday Tuesday Wednesday Thursday Friday Saturday Sunday represents 3 deliveries Which two days have a total of 18 deliveries? (1) Monday, Tuesday (2) Friday, Wednesday (3) Thursday, Friday (4) Saturday, Sunday 34. How many time does the digit 5 occur between 1 and 100? (1) 11(3)18(4)20(2) 1535. The product of the prime numbers between 1 to 15 is (1) 30030(2) 450450 (3) 15015 (4) 405405 A child needs 101 gm of vegetable per day. How many Kg of vegetables will be need for 39 children? 36. (1) 3.939 kg (2) 39 kg(3) 39.39 kg (4) 3 kg37. How many line segments are there in the given figure? G E (1)5(2) 8(3)7(4) 10Space for rough work

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38.	From 10 million take away 28th multiple of 5798				
	(1) 9837656	(2) 9857656	(3) 9597656	(4) 9897686	
39.	What fraction of an hour is 45 min.				
	$(1) \frac{5}{6}$	(2) $\frac{4}{3}$	$(3) \frac{1}{2}$	$(4) \frac{3}{4}$	
		PHY	SICS		
40.	Which of the follow	ing does not express a tin	ne interval?		
	(1)A day		(2)A second		
	(3)A school period		(4) Time of the first l	bell in the school	
41.	Why is the earth call	led as Blue Planet?			
	(1) Air colour is blue		(2) La <mark>nd colour i</mark> s blu	(2) Land colour is blue	
	(3) Building having	blue colour	(4) Two-third surface	e is covered by water	
42.	Force acting on per	unit area is called			
	(1) non-contact force	es (2) contact forces	(3) force	(4) pressure	
43.	What is the name of motion when an object repeats its motion after some time?				
	(1) Curvilinear moti	on (2) Periodic motion	(3) Rectilinear motio	<mark>n (4</mark>) Circular motion	
44.	Stars appear to move	e from			
	(1) West to east	(2) East to west	(3) North to south	(4) South to west	
45.	Neha pushes a toy car with a force of 5 Newtons and it moves a distance of 2 meters. How much				
	work does she do?	E . ACCI	ECC . A	CHIEVE	
	(1) 2.5 joules	(2) 7 joules	(3) 10 joules	(4) None of the above	
46.	Substance through which light can pass partially and things cannot be seen clearly through them are				
	(1) Translucent	(2) Transparent	(3) Opaque	(4) None of these	
47.	All the planets move	e around the sun in an	·		
	(1) Rectangular path	(2) Straight path	(3) Elliptical path	(4) Circular path	
48.	Small thickness is m	neasured by using			
	(1) Vernier scale	(2) Measuring tap	(3) Measuring rod	(4) Barometer	
49.	Which of the following objects does not emit light of its own?				
	(1) The sun	(2) The star	(3) The moon	(4) A firefly	

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50.	Any two objects that have mass will also have which type of force between them?				
	(1) Magnetic	(2) Gravitational	(3) Nuclear	(4) Chemical	
51.	Which one of the foll	owing is NOT an effect	of force?		
	(1) Change of speed of	of an object.	(2) Change of motion	of an object.	
	(3) Change of shape/s	size of the object.	(4) Change of the mas	s of the object.	
		CHEM	ISTRY		
52.	Which of the following	ng is non-renewable ener	gy source?		
	(1) solar	(2) wind	(3) coal	(4) hydroelectric	
53.	This harmful microbe	e in water causes typhoid	lis		
	(1) Virus	(2) Bacteria	(3) Algae	(4) Fungi	
54.	Vinegar is a solution	of acetic acid in water. V	Vhat kin <mark>d of mixtu</mark> re is v	rinegar?	
	(1) A homogeneous r	nixture of solid and liqui	d		
	(2) A heterogeneous	mixture of liquid and liq	uid		
	(3) A homogeneous r	nixture of liquid and liqu	id The Table 1		
	(4) A heterogeneous	mixture of solid and liqu	id		
55.	Hardest known natura	al substance is			
	(1) Mercury	(2) Wood	(3) Gold	(4) Diamond	
56.	Non- metal which is	good conductor of electr	icity is		
	(1) Graphite	(2) Diamond	(3) Sulphur	(4) Nitrogen	
57.	Identify the mixture f	From the following.			
	(1) Oxygen	(2) Carbon dioxide	(3) Hydrogen	(4) Air	
58.	Which one is not a tra	ansparent object?	100 710	PI IIIm V Im	
	(1) Clean water	(2) Glass	(3) Diamond	(4) Muddy water	
59.	Source of energy in the	he biosphere is			
	(1) Producer	(2) Decomposer	(3) Sunlight	(4) Heat of earth	
60.	The amount of space	each thing takes up is ca	lled its		
	(1) Volume	(2) Weight	(3) Area	(4) All of these	
61.	Which pair of substar	nce float in water			
	(1) Pin, oil drops		(2) Thermocol, Cottor	n thread	
	(3) Plastic ball, feather	er	(4) Coin, rubber band		

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62.	CNG stands for			
	(1) Compressed na	tural gas	(2) Compound natura	l gas
	(3) Common natur	al gas	(4) Common neutral g	gas
63.		solid are packed very	together.	
	(1) close	(2) far	(3) both	(4) none of these
		BIO	LOGY	. ,
54.	Tiny paras an tha	surface of leaves are calle		
)4.	(1) Lenticels	(2) Guard cell		(1) Stomata
55.	` '	` '	(3) Both (1) and (2)	(4) Stomata
13.	-	f living things is called	(2) Zoology	(1) Nana of those
56	(1) Botany	(2) Biology	(3) Zoology	(4) None of these
6.		system does wheat have?	(2) Apriol most	(1) Name of these
. 7	(1) Taproot	(2) Fibrous root	(3) Aerial root	(4) None of these
57.	An example of cor		(2) Pulsas	(4) Ei-1-
0	(1) Milk	(2) Carrot	(3) Pulses	(4) Fish
8.		fleshy stem.	(2) D '11	(4) 11 C.1
-0	(1) Cactus	(2) Deoder	(3) Bougenvillea	(4) all of these
59.		energy for most ecosystem		(4)
	(1) wind	(2) water	(3) sunlight	(4) soil nutrients
'0.	Pollen grains are produced in?			
, ,	(1) Flower	(2) Ovaries	(3) Anthers	(4) Fruits
1.		ps our body to use calcium		(4) X7'.
· _	(1) Vitamin D	(2) Vitamin A	(3) Vitamin C	(4) Vitamin B ₁₂
2.		wing is longest bone of or		(A) T'1 1
	` '	(2) Femur	* *	(4) Fibula
73.		•	xplore and understand the	Q
	(1) Memorization	(2) Curiosity	(3) Discipline	(4) Obedince
4.	•	ving beings live is called		(1) 7.5
	(1) Adaptation	(2) Habitat	(3) Habit	(4) Movement
' 5.		is/are the source of cooki	•	(1)
	(1) Castor oil	(2) Petroleum	(3) Coconut	(4) none of these
		**	***	
		Cnaa for	rough work	