





N-ACST-2022

CLASS – VIII: - (Mental Ability, Mathematics & Science)

(Class VII Moving to VIII)

(SET-1)

N-ACST (12-06-2022)

Time Duration: 1 Hour

Maximum marks: 140

Please read the instructions carefully. You are allotted 5 minutes specifically for this purp<mark>ose.</mark>

INSTRUCTIONS:

- 1. This question paper contains 35 questions: Mental Ability (Q. No. 1 to Q. No. 7), Mathematics (Q. No. 8 to Q. No. 14), Physics (Q. No. 15 to Q. No. 21), Chemistry (Q. No. 22 to Q. No. 28) & Biology (Q. No. 29 to Q. No. 35)
- 2. There will be individual qualifying cut-offs for all sections.
- **3.** For Each correct answer <mark>4 marks will be awarded. No Negative Marking.</mark>
- 4. Use OMR-Sheet for answering
- 5. Use HB Pencil / Pen to darken the circles.
- 6. If you wish to change your answer, erase the already darkened circle completely and then darken the appropriate circle.
- 7. Use of a calculator and mobile phone is strictly prohibited during the exam.

TO BE FILLED IN	N CAPITAL LETTERS
NAME OF THE STUDENT :	
FATHER'S NAME : CONTACT NUMBER: SCHO	
ROLL NO. : TEST CENTRE : _	
I have read all the instructions and shall abide by them 	I have verified all the information filled in by the Candidate
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N-ACST-2022	SET-1	VIII CLASS	
	MATHEMATICS		
A batsman score	l the following number of runs in six innings	:	
35, 30, 45, 65, 3	, 20		
the mean runs so (A) 20	bred by him in an inning is?		
(A) 39 (C) 37	(B) 38 (D) 40		
(0) 37	(D) 40		
. How many lines	How many lines of symmetry are there in the following figure?		
(A) 1	(B) 2		
(C) 3	(D) 4		
0. Manish deposit	₹ 2000 in his bank account when his previous	s balance was ₹ 1000 and	
withdraws ₹ 100) from it, the next day. Find the balance in M	anish's account after the	
withdrawal.			
(A) ₹ 1000	(B) ₹ 3000		
(C) ₹ 2000	(D) None of these	e.	
1 The exponentia	form of 100000 is?		
(A) 10^3	(B) 10^4		
(C) 10^5	(D) None of these	e	
2. The ages of fath $(A) 2 + 2$	r and son are 45 years and 10 years. The ratio $(D) 5 + 2$	o of their ages is	
(A) 3:2	(B) $5:2$ (D) $15:2$		
(C) 9.2	(D) 13 . 2		
3. The area of a re	angular field is 250 m^2 . If the breadth of the	field is 10 m, then its length is	
(A) 25 m	(B) 50 m		
(C) 100 m	(D) 125 m		
1 The ratio of the	passures of the three angles of a triangle is 2	$\cdot 3 \cdot 4$ The measure of the	
4. Incluto of the	leasures of the three angles of a thangle is 2	. 5. 4. The measure of the	
(A) 80°	(B) 60°		
(C) 40°	(D) 180°		
	Space For Rough Work	S. Burr	
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<u>1-AC</u>	ST-2022	SET-1	VIII CLAS
		PHYSICS	
5.	When a switch is in OFF positi	on.	
	(i) Circuit starting from the pos	itive terminal of the cell stops at th	ne switch.
	(ii) Circuit is open.	-	
	(iii) No current flows through i		
	(iv) Current flows after some ti	me.	
	Choose the combination of the	correct answer from the following	
	(A) All are correct	(B) (11) and (111) are C	correct
	(C) Only (IV) is correct	(D) Only (i) and (ii)	are correct
6	Image formed by a plane mirro	r for a Real object is	
0.	(A) Virtual and Erect	(B) Real and Erect	
	(C) Virtual and Inverted	(D) real and Inverted	
7.	The numerical value of ratio of	displacement to distance.	
	(A) Less than one	(B) Greater than one	
	(C) Equal to one	(D) Equal or less that	n one
8	The train 'A' travelled a distance	e of 120km in 3 Hrs, whereas anot	her train 'B' travelled a
0.	distance of 180km in 4 Hrs. the	n which train travelled faster?	ner train D travened a
	(A) Train A	(B) Train B	
	(C) Both are equally faster	(D) None of these.	
9.	The coil of wire contained in an	n electric heater is known as.	
	(A) Component	(B) Element	
	(C) Circuit	(D) Spring	
20 For y	For which of the following pro-	cess, the rate of transfer of heat is 1	maximum?
	(A) Combustion	(B) Radiation	
	(C) Convection	(D) Conduction	
1	A convex lens is generally	in nature when placed in air	
1.	(A) Convergent	(B) Divergent	
	(C) Neither of (A) and (B)	(D) Depends on othe	er conditions
	S	pace For Rough Work	
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<u>N-A</u>	CST-2022	SET-1	VIII CLASS
		CHEMISTRY	
22.	Products of a neutralisation r	reaction are always:	
	(A) An acid and a base (C) A salt and water	(B) An acid and a salt	
	(C) A sait and water	(D) A sait and a base	
23.	Which of the following set o	f substances contain acids?	
	(A) Grapes, Lime Water	(B) Vinegar, Soap	
	(C) Curd, Milk of Magnesia	(D) Curd, Vinegar	
24	Which one of the following	is not a breed of sheep?	
2	(A) Murrah	(B) Marwari	
	(C) Lohi	(D) Nali	
25			
25.	Silk is derived from	(D) Dung	
	$(\mathbf{C}) \mathbf{E} \mathbf{g} \mathbf{g}$	(D) Moth	
	(0) 255		
<u>26.</u>	An oxide is acidic and has a	pungent odour. It could be	
	(A) Sulphur dioxide	(B) Carbon dioxide	
	(C) Sodium oxide	(D) Nitrogen dioxide	
27	The change in which a new s	substance formed is	
27.	(A) In physical change	(B) In chemical change	
	(C) In both (A) and (B)	(D) In neither of these	
20			
28.	(A) Crystallization	(B) Sedimentation	
	(C) Galvanisation	(D) None of these	
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<u>N-A</u>	CST-2022	SET-1 VIII CLAS
		BIOLOGY
29.	The vascular tissue responsib	e for the transport of water and nutrients in the plant is called.
	(A) Xylem	(B) Phloem
	(C) lissue	(D) Plasma
30.	Reproduction through the veg	etative parts of plants is known as.
	(A) Sexual Reproduction	(B) Asexual Reproduction
	(C) Vegetative Propagation	(D) Pollination
21	The components that are need	score for our hody are called
51.	(A) Vitamina P	(P) Pulses
	(A) Vitallillis-B	(D) Minorals
	(C) Nutrients	(D) Minerais
32.	The set of teeth that exists in	the mouth during the period from six months to eight years of
	human being is called.	
	(A) Permanents teeth	(B) Prem <mark>olar teeth</mark>
	(C) Molar teeth	(D) Milk teeth
33.	Blood carriesfrom	lungs to the cells of the body.
	(A) Argon	(B) Neon
	(C) Oxygen	(D) Nitrogen
84	From the following animals	e animal living in Polar Regions is
) - .	(A) Monkey	(B) Donkey
	(C) Polar bear	(D) Gorilla
35.	An adult human being at rest	preathes in and out fortimes in a minute.
	(A) 15-18	(B) 20-25
	(C) 10-15	(D) 50-60
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		Space For Rough Work
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