



# NISA - NATIONAL ANALYTICAL APTITUDE TEST 2022

21st Century Skills Test for Students to be Future ready | Initiative by NISA (National Independent Schools Alliance)

## DO NOT OPEN THIS BOOKLET UNTIL ASKED TO DO SO

**Total Questions: 40** 

Time: 60 Minutes

### Instructions for the Candidate

- (a) You have 40 multiple-choice questions in this Test Paper. Attempt each question and write answers that are most correct according to you. There is only one right answer for each question.
- (b) Manage your time properly. Remember that, on average, you can spend upto 1.5 minute on each question.
- (c) Start the test only when your Teacher / Invigilator gives you the permission to start and on completion of the test, please wait for her / his instruction before returning the OMR Sheet.
- (d) Mark all your answers on the OMR sheet provided
- (e) While marking on the OMR sheet, ensure that you are marking the appropriate option with a dark coloured pencil. The correct method is shown below:



(f) If you need to change an answer that you have already marked – erase the first marking completely, before marking the new answer. Answers with multiple markings, different markings or incomplete markings will be scored as wrong.





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### **SECTION 1 – MATH ABILITY**

**Instructions** (Q1-Q3): The questions will begin with a dataset which is true. Read the dataset and then choose the correct answer for the questions that follow.

Dataset: Radha went to a fruit market and bought some fruits for her house. Look at the price list and circle the correct answer.

Items	Price in Rs/Kg
Apples	200
Oranges	140
Mangoes	160
Banana	46
Pears	122

1) Radha wants 2 kgs	of pears. How much is the co	st?						
A) Rs. 122		C) Rs. 140						
B) Rs. 244		D) Rs. 212						
2) Cost of 500 grams	of Apple is							
A) Rs. 100		C) Rs. 20						
B) Rs. 200		D) Rs. 100						
3) What is the price o	of 2 ½ Kgs of Oranges?							
A) Rs. 280		C) Rs. 350						
B) Rs. 300		D) Rs. 160						
4) Three times of right	it angle is							
A) 180°		C) 90°						
B) 60°		D) 270°						
5) Simplify x ÷ (-3) =	-15							
A) -5		C) 5						
B) -15		D) 45						
6) The HCF of 180 ar	6) The HCF of 180 and 54 is							
A) 18		C) 54						
B) 6		D) 180						
7) These are multiplic								
A) x = -96, y = 12		C) $x = 96, y = 12$						
B) $x = -96, y = -12$	2	D) $x = 96, y = -12$						

8)	Write an expression for the given description $(A)$ 7+1(+ x										
	A) $7 + \frac{1}{2} + x$	C) 7x									
	B) $7 + \frac{1}{2}x$	D) $7\frac{1}{2}x$									
9)	Find the perimeter of the given diagram:										
	3/5 cm										
	1/5 cm										
	A) 8/5 cm	C) 2/5 cm									
	B) 4/5 cm	D) 9/25 cm									
	b) 4/5 cm	D) 9725 Cm									
10)	Ram has 128 chocolates he gave <sup>1</sup> / <sub>4</sub> of it to R himself?	ajiv and ½ of it to Raja. How many chocolates does Ram have for									
	A) 98	C) 32									
	B) 128	D) 64									
11)	The side of the square is 12cm, the area is										
	A) 24cm	C) 144cm									
	B) 24cm <sup>2</sup>	D) 144cm <sup>2</sup>									
12)	A square garden has a fence all around it. If	the length of the fence is 160m. Find the length of one of its sides									
	A) 40 cm	C) 120 cm									
	B) 80 cm	D) 400 cm									
13)	272 x 16 =										
	A) -4352	C) 4352									
	B) 435.2	D) 43520									
14)	The record made by Sheela regarding trees a number?	re as below. Each box represents 5 Nos. Which tree is less in									
	Neem										
	Coconut Coconut										
	Pine <b>E</b>										
	Oak Oak										
	A) Neem	C) Pine									
15)	B) Coconut	D) Oak									
13)	What should be subtracted from 98989 to ge										
	A) 10101 B) 10001#	C) 11100									
	B) 10001#	D) 10001#									
16)	Fill in the blanks with $>, < or = 17 \times 41$	37 x 14									
	A) <	C) >									
	B) =	D) None of the above									
17)	The product of two numbers is 2944, if one	of the numbers is 64 then the other number is									
	A) 46	C) 48									
	B) 64	D) 56									

18)	A shop keeper purchased 480 onions. 2 dozens onions got spoiled. He sold 364 onions. How much of onions are left with him?					
	A) 114	C) 92				
	B) 118	D) 64				
19)	Add: $\frac{1}{6} + \frac{2}{3} = -$					
	A) 5/6	C) 4/6				
	B) 3/6	D) 1				
20)	The value of $\frac{7-7}{2}$ is					
	A) 1	C) 1/2				
	B) 0	D) 7/2				

#### **SECTION 02 – CREATIVE THINKING**

21)	Complete the analogy : Fingers	: Hand :: : Leg									
	A) Toes	C) Knee									
	B) Heel	D) Ankle									
22)	Complete the analogy : Bat : Ci	ricket ::									
	A) Goal : Football	C) Shuttle : Badminton									
	B) Stump : Cricket	D) Racquet : Tennis									
23)	Of the following pair of words which one would not fit the analogy : Scrabble : Words ::										
	A) Monopoly : Money	C) Both									
	B) Blackjack : Arithmetic	D) Neither									
24)	Of the following pair of words which one would not fit the analogy: Instagram : Social Media : :?										
	A) Maps : Navigation	C) Both									
	B) Powerpoint : Presentation	D) Neither									
25)	Complete the analogy : IPL : Cricket ::										
	A) Big Bash : Football	C) World Cup : F1									
	B) ISL: Football	D) None of the Above									
26)	Find the odd one out : 3,5,7,9.										
	A) 3	C) 9									
	B) 7	D) 5									
27)	Find the odd one out : 4,16,51,6	4									
	A) 4	C) 51									
	B) 64	D) 16									
28)	Find the odd one out : PQ,RS,XZ,TU										
	A) PQ	C) RS									
	B) XZ	D) TU									
29)	Find the odd one out : AD,BE,O	CG,DG									
	A) AD	C) CG									
	B) BE	D) DG									

30)	Find the odd one out : S19,K11,I9,X26											
	A) S19	C) I9										
	B) K11	D) X26										
	<b>Question 31 - 40:</b> Read the following paragraph to answer the questions below. 6 friends A,B,C,D E&F are standing in a straight line watching the rising sun. A is second to the left of B and is also on the left most end. E is on the right most end and is second to the right of D.F is to the immediate left of E.											
31)	Which direction is everyone fa	cing ?										
	A) North	C) South										
	B) West	D) East										
32)	How many people are there between B & C											
	A) 2	C) 0										
	B) 3	D) 1										
33)	Who is situated second to the left of F?											
	A) B	C) A										
	B) D	D) E										
34)	Who is situated 3rd to the right of E?											
	A) A	C) D										
	B) C	D) None of the above										
35)	Who among the following is situated North of B?											
	A) A	C) E										
	B) D	D) F										
36)	Who among the following is situated to the north of F?											
	A) A	C) C										
	B) Both	D) Neither										
37)	Who is situated between A & F	3?										
	A) E	C) D										
	B) F	D) C										
38)	Who is situated between B &	z D ?										
	A) E	C) F										
	B) C	D) None of the above										
39)	Who is situated between F & C	?										
	A) D	C) B										
	B) Both	D) Neither										
40)	Who is situated 4th to the right	of A?										
	A) E	C) C										
	B) F	D) B										

### SPACE FOR ROUGH WORK

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