National Analytical Aptitude Test

## NISA - NATIONAL ANALYTICAL APTITUDE TEST 2022

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

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

Total Questions: 40
Time: 6D 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:

| Correct Method |  |  |
| :--- | :--- | :---: |
| (C) (D) |  |  |

(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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STUDENT NAME (IN CAPITAL LETTERS)

SCHOOL NAME (IN CAPITAL LETTERS)

STUDENT ID (IN CAPITAL LETTERS)
$\square$


## PART - I

SECTION 1 - Math Ability

1) Count back in 7 , first negative number from 18 is
a. -7
b. -3
c. 11
d. 7
2) Which number will you say when you count back in 8 from 240 ?
a. 54
b. 198
c. 224
d. 236
3) Sam says that he can buy 2 toy train set with Rs. 280 and get a change of Rs. 8. What is the cost of a toy train?
a. 136
b. 289
c. 209
d. 217
4) Make estimate 9165-3982-894
a. Greater than 4000
b. Less than 4000
c. Above 5000
d. equal to 4000
5) The total cost of all cars is 960 . Find the cost of each car.

a. 960
b. 480
c. 320
d. 160
6) $+(80)=$ Rs. 20 AND
(6) + (6)
$=$ Rs. 10. The cost of

$\qquad$
a. Rs. 5
b. Rs. 10
c. Rs. 15
d. Rs. 20
7) Convert in to mixed fraction.
a.
b.
c.
d. 2
8) I bought kg of kiwis, kg of apples \& 2 kgs of oranges. Which fruit weighs more?
a. Apples
b. Kiwis
c. Oranges
d. None of the above
9) Which products are less than 1000 ?
a. $45 \times 30$
b. $175 \times 20$
c. $47 \times 18$
d. $253 \times 62$
10) Find the odd one out
a. $1.4+0.3$
b. $0.9+0.8$
c. $2.4+1.2$
d. $2.4+0.7$
11) A shop sells 100 boxes of fruits in a market. The table shows the names of fruits and number of boxes sold . What is the percentage of plums sold?

| Apples | Bananas | Oranges | Plum |
| :---: | :---: | :---: | :---: |
| 20 | 50 | 10 | $?$ |

a. $10 \%$
b. $5 \%$
c. $15 \%$
d. 20
12) Make 3.25 m longer by 1.45 m .
a. 6.25 m
b. 1.8 m
c. 4.70 m
d. 4.25 m
13) Make 6.9 kg of mass lighter by 2.6 kg .
a. 4.3 kg
b. 9.4 kg
c. 8.14 kg
d. 8.4 kg
14) Sita adds two 4 -digit numbers to get a total of 3652.08 .

One of the numbers is 1286.5 . Find the other.
a. 2736
b. 2356.58
c. 2365.08
d. 2637
15) A given triangle is an equilateral triangle. Its perimeter is 60 cm . Calculate its side.
a. 6 cm
b. 10 cm
c. 20 cm
d. 15 cm
16) What percentage of the shape is represented by the shaded area?

17) Look at the shapes, the ratio of squares to the circles is
a. $3 / 5$
b. $2 / 5$
c. $3 / 2$
d. $2 / 3$
18) Which of the following is a prime number?
a. 100
b. 35
c. 27
d. 37
19) Find the odd one out
a. 23-12
b.45-34
c. $86-75$
d.99-89
20) Convert $\qquad$ $=108$ hours
a. 3.5 days
b. 4 days
c. 3 days
d. 4.5 days

## SECTION 02 - LOGICAL REASONING

| 21) | Which of the given words would appear first in a dictionary. |  |
| :---: | :---: | :---: |
|  | A) Rat | C) Rodent |
|  | B) Ruminant | D) Rabbit |
| 22) | Arrange the following words in the order in which they would appear in a dictionary : <br> 1.Hat, 2.Doll, 3.Cat, 4.Bell? |  |
|  | A) $1,2,3,4$ | C) $3,2,1,4$ |
|  | B) $2,1,3,4$ | D) $4,3,2,1$ |
| 23) | Arrange the following words in the reverse of the order in which they would appear in a dictionary : 1. Fall, 2. Glow, 3. Eye, 4. Day? |  |
|  | A) $1,2,3,4$ | C) $3,2,1,4$ |
|  | B) $2,1,3,4$ | D) $4,3,2,1$ |
| 24) | Arrange the following words in a meaningful order: 1. Seed, 2. Fruit, 3. Flower, 4. Plant? |  |
|  | A) $1,4,3,2$ | C) $3,2,1,4$ |
|  | B) $2,1,3,4$ | D) $4,3,2,1$ |
| 25) | Which of these following words cannot be formed with the letters in the word "RABBIT" ?? |  |
|  | A) BIT | C) BITE |
|  | B) RABBI | D) RAT |
| 26) | Which of these following words cannot be formed with the letters in the word "HONESTY"? |  |
|  | A) STY | C) TOY |
|  | B) NET | D) TASTE |
| 27) | Which of these following words cannot be formed with the letters in the word "FASTENED"? |  |
|  | A) TENT | C) EAST |
|  | B) SENT | D) FAST |


| 28) | Which of these following words can be formed with the letters in the word "MONSOON"? |  |
| :---: | :---: | :---: |
|  | A) MOOD | C) SUN |
|  | B) NOON | D) NUN |
| 29) | What is the number of meaningful words that can be made from the letters IMEL, using all the letters (each letter can be used only once per word)?? |  |
|  | A) 4 | C) 3 |
|  | B) 2 | D) 1 |
| 30) | What is the number of meaningful words that can be made from the letters AMED, using all the letters (each letter can be used only once per word)?? |  |
|  | A) 4 | C) 3 |
|  | B) 2 | D) 1 |
| 31) | If day before yesterday was Thursday, then what would tomorrow be ? If day before yesterday was Thursday, then what would tomorrow be ?? |  |
|  | A) Monday | C) Tuesday |
|  | B) Friday | D) Sunday |
| 32) | If A's birthday falls on a Wednesday and Christmas falls on the same day the following week, on which day does Christmas fall?. |  |
|  | A) Wednesday | C) Thursday |
|  | B) Tuesday | D) Friday |
| 33) | If A was born in 2014 on a Friday, on which day would he celebrate his first birthday?. |  |
|  | A) Monday | C) Saturday |
|  | B) Sunday | D) Friday |
| 34) | If the 5th of January 2022 was a Wednesday on which day would Republic day 2022 fall?. |  |
|  | A) Monday | C) Friday |
|  | B) Tuesday | D) Wednesday |
| 35) | The first Wednesday of a month is the 3rd, on what day would the 10th fall? |  |
|  | A) Tuesday | C) Sunday |
|  | B) Monday | D) Wednesday |
| 36) | In a row of trees, one tree is the 4th from either end of the row. How many trees are there in the row? |  |
|  | A) 8 | C) 9 |
|  | B) 6 | D) 7 |
| 37) | In a class $A$ is ranked 5th from the top and B ranks 7th from below, how many students are there in the class? |  |
|  | A) 12 | C) 11 |
|  | B) 20 | D) Cannot be Determined |
| 38) | In a row of people, if A who is 5th from the right changes position with B who is 2 nd from the left, A becomes 6th from the right. How many people are there in total? |  |
|  | A) 7 | C) 8 |
|  | B) 10 | D) Cannot be Determined |


| 39) |
| :--- |
| In a row of people, A is 3rd from left end and 4th from the right end. How many <br> people are there in the row? In a row of people, A is 3rd from left end and 4th from <br> the right end. How many people are there in the row? |
|  |
| A) 6 |
| B) 7 |
| 40) |
| If B is 9th in a queue when starting from either end, how many people are there in <br> the queue? |
| A) 17 |
| B) 21 |




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