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**ICO**  
INTERNATIONAL  
CYBER OLYMPIAD

**NISO**  
NATIONAL INTERACTIVE  
SCIENCE OLYMPIAD

**NIMO**  
NATIONAL INTERACTIVE  
MATHS OLYMPIAD

**NBTO**  
NATIONAL  
BIOTECHNOLOGY  
OLYMPIAD

**IEO**  
INTERNATIONAL  
ENGLISH OLYMPIAD

**IGO**  
INTERNATIONAL  
G.K. OLYMPIAD

**BIFO**  
BSE INTERNATIONAL  
FINANCE OLYMPIAD

**Level - 1** : All Level-1 successful\* participants will get certificate, aptitude report and online subscription, and school toppers will be eligible for school hero medals.

**Level - 2** : School toppers\* will be selected for level-2-National level - online computer based interactive test held at exam centres all over India. Besides selection for level-3, winner will get merit certificate, medals, educational CDs, laptop, scholarship and other prizes. There is no level 2 in G.K. and Biotech.

**Level - 3** : Toppers will qualify# for level 3-International level-where you will compete with students globally. Get selected for EHF's International Olympiad training camp. Only Indian organization giving students exposure to global competitions. Represent India & win laurels. Guidance by top scientists. Prizes ranges from cash (millions of \$), gadgets, foreign trips, publicity, fame, scholarships, Internships, conference participation and more. Level 3 is in Maths, Science & Cyber only.

\*# See prospectus/website for details

1. You are allowed additional 10 minutes to fill the required details in the **RESPONSE SHEET (OMR)**. **STUDENTS OF CLASS 1 & 2 HAVE TO UNDERLINE** THE CORRECT ANSWER IN THE QUESTION PAPER ITSELF. THEY ARE NOT REQUIRED TO USE THE RESPONSE SHEET (OMR). THEY HAVE TO FILL THEIR NAME, ROLL NUMBER, CLASS, SCHOOL NAME IN THE SPACE PROVIDED IN THE QUESTION PAPER.
2. The question paper is made as per syllabus guidelines & pattern given in the information Booklet. The Question Paper for Classes 1 to 6 contains 25 Questions each to be answered in 40 minutes. The Question paper for classes 7 to 12 contains 50 Questions each to be answered in 60 minutes. All questions are compulsory. Further instructions are given in the instruction letter to the teacher.
3. Use the response sheet to mark your responses by darkening the required circle. The response sheet has to be returned to the foundation, duly filled in. The student can retain the Question Paper except for classes 1 and 2.

**NATIONAL  
INTERACTIVE  
MATHS  
OLYMPIAD**

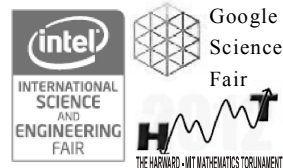
**NIMO**

**4  
Class**

**A1  
Paper  
Code**

**LEVEL - 1**

Academic Partner — [WWW.EDUSYS.IN](http://WWW.EDUSYS.IN)



## MENTAL ABILITY

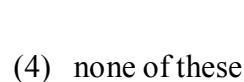
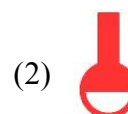
1. The rule to get out a number is adding 150. Which is the wrong result?

In	Out
227	377
534	684
119	399
684	834

- (1) 227
  - (2) 377
  - (3) 119
  - (4) 684
2. There are 950 mathematics books and 300 cyber books in the library. How many books are there in total?
  - (1) 1250
  - (2) 1150
  - (3) 1520
  - (4) 10050

3. A group of friends ordered lunch. 6 of them ordered Rajma-chawal and 9 of them ordered Chole-bature. How do you write the fraction of the people who ordered Rajma-chawal?
  - (1)  $\frac{2}{5}$
  - (2)  $\frac{1}{9}$
  - (3)  $\frac{2}{3}$
  - (4) none of these

4. Which picture has no line of symmetry?



5. Deepak spent these many minutes at a drama rehearsal in the past 4 days.

Minutes spent rehearsing	
Day	Minutes
Tuesday	161
Wednesday	112
Thursday	164
Friday	146

On which day did Deepak rehearse the most?

- (1) Tuesday                      (2) Wednesday  
(3) Thursday                      (4) Friday

## MATHEMATICS

6. Riya and Priya both went to market and purchased candies. Riya had purchased 7 mango and 9 orange candies and Priya had purchased 15 chocolate candies. So, which number sentence correctly compares the total number of candies purchased by these girls.

- (1)  $7 + 9 = 15$                       (2)  $7 + 9 > 15$   
(3)  $7 + 9 < 15$                       (4) None of these

7. There are 80 students who want to eat lunch at a picnic area. If each picnic table seats 8 people, how many tables will the students need?

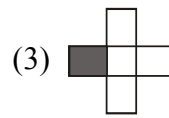
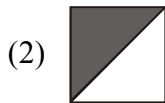
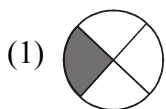
- (1) 8                                      (2) 9  
(3) 10                                      (4) None of these

8. What part of the shape is White?

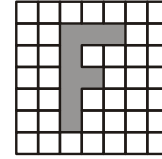


- (1)  $\frac{3}{4}$                                       (2)  $\frac{1}{4}$   
(3)  $\frac{4}{3}$                                       (4)  $\frac{1}{2}$

9. Which figure shows divided into one fourth?



10. How many squares are needed to make the shaded figure shown on the grid?



- (1) 15                                      (2) 18  
(3) 8                                        (4) 7

11. Which is a better measurement of apples?

- (1) 10 tonnes  
(2) 10 grams  
(3) 10 kilograms  
(4) 10 miligrams

12. At 4:45, Pooja started doing her home-work. It took her 1 hour and 30 minutes to finish the home-work. What was the time when she finished her home-work?

- (1) 6:15                                      (2) 5:45  
(3) 6:00                                      (4) 5:30

13. Convert:-

1000 millilitres = \_\_\_\_ litres

- (1) 100                                      (2) 1  
(3) 10000                                      (4) 10

14. How much money does Kiran need to buy an ink pot and a scale?

Pen	₹ 9.75
Red paper	₹ 8.00
Rubber	₹ 12.00
Ink Pot	₹ 15.50
Scale	₹ 9.25

- (1) 20.00                                      (2) 18.25  
(3) 17.00                                      (4) 24.75

15. Which number is missing from this sequence?

23, 25, 27, 29, \_\_\_\_\_

- (1) 30 (2) 28  
(3) 31 (4) 34

16. Ms. Kavita is planting tomato plants and lettuce plants. She wants 4 tomato plants for each lettuce plant. She will plant 6 rows of plants. Each row will have 1 lettuce plant. How many plants will she plant in all?

- (1) 24 (2) 30  
(3) 35 (4) None of these

17. The expanded form of the number 935 is

- (1)  $930 + 5$  (2)  $900 + 30 + 5$   
(3)  $900 + 35$  (4) None of these

18. How many hours have passed if the hour hand has moved from 3 to 5?

- (1) 1 (2) 2  
(3) 3 (4) None of these

19. Preeti purchased following items from the shop:-

Bread	- ₹ 16/-
Jam	- ₹ 45/-
Note book	- ₹ 10/-
Pen	- ₹ 7/-
Chocolates	- ₹ 12/-

Shopkeeper billed an amount of ₹ 74/-. One thing he has forgotten to bill. Which is that?

- (1) Note book (2) Pen  
(3) Jam (4) Bread

20. Reema and Tina each correctly used a different number sentence to solve the same problem. Priya used this number sentence

$$8 \times 8 = 64$$

Which of the following could Tina use?

- (1)  $64 \div 8 = 8$  (2)  $8 \div 64 = 8$   
(3)  $64 - 8 = 56$  (4) None of these

21. The missing number in the sequence is :

1, 3, 9, 27, \_\_\_\_\_

- (1) 81 (2) 9  
(3) 5 (4) 21

22. Observe this table:-

Favourite Sports Star		
Sports Star	Girls	Boys
Sachin	402	919
Brett Lee	922	540
M.S. Dhoni	700	650
V. Kohli	850	779

How many more girls voted for Brett Lee than M.S. Dhoni?

- (1) 222 (2) 150  
(3) 400 (4) None of these

23. Using a calculator a student accidentally multiplied 40 by 10, instead of dividing by 10. What is the correct answer ?

- (1) 4 (2) 400  
(3) 40 (4) 0.4

24. What goes in the  ?

31 hours  1 Day.

- (1) > (2) <  
(3) = (4) None of these

25. A cheesemaker sold 343 big wheels of cheese for ₹ 6 each. How much money did the cheesemaker receive in total?

- (1) ₹ 1200  
(2) ₹ 2058  
(3) ₹ 2070  
(4) ₹ 1600



**END OF THE EXAM**