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ICO INTERNATIONAL CYBER OLYMPIAD	NISO NATIONAL INTERACTIVE SCIENCE OLYMPIAD	NIMO NATIONAL INTERACTIVE MATH OLYMPIAD	NBTO NATIONAL BIOTECHNOLOGY OLYMPIAD	IEO INTERNATIONAL ENGLISH OLYMPIAD	IGO INTERNATIONAL G.K. OLYMPIAD	BIFO BSE INTERNATIONAL FINANCE OLYMPIAD	NIPO NATIONAL IIT-PMT OLYMPIAD
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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 Art, Cricket, Cyber, NIPO 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.

* # See prospectus/website for details

1. You are allowed additional 10 minutes to fill the required details in the **RESPONSE SHEET (OMR)**.
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.**

EHF
NATIONAL
INTERACTIVE
MATHS
OLYMPIAD

N I M O

6
Class

B1
Paper
Code

L E V E L - 1

MENTAL ABILITY

1. What decimal represents one-fourth of a rupee?
(1) ₹ 0.05 (2) ₹ 0.25
(3) ₹ 2.50 (4) None of these
2. What value for **Z** makes this equation true?
 $8 \times 37 = (8 \times 30) + (8 \times Z)$
(1) 7 (2) 8
(3) 30 (4) None of these
3. The number opposite side the face having the number 4 will be



- (1) 1 (2) 2
- (3) 5 (4) None of these

4. If your birthday is on 30th June, 2003 falls on Monday. On what day of the week does your birthday fall in the year 2005?
(1) Monday (2) Tuesday
(3) Wednesday (4) None of these
5. Which letter comes half way between G and S in the alphabet?
(1) M (2) N
(3) O (4) None of these

MATHEMATICS

6. The smallest 4-digit number is
(1) 9999 (2) 1111
(3) 1000 (4) None of these

7. How would you write 31 as a Roman number?

- (1) XXXI (2) XXI
 (3) IIIIX (4) None of these

8. Successor of 999 is:

- (1) 100 (2) 1000
 (3) 998 (4) None of these

9. Exchange the 1st and the 3rd tile. The new number formed is _____.

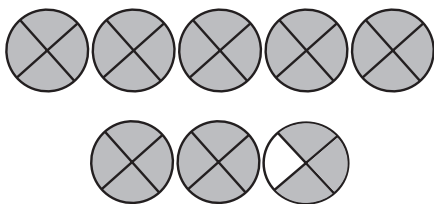


- (1) Smallest (2) Greatest
 (3) Equal (4) None of these

10. $\square \times 1 = \frac{11}{13}$

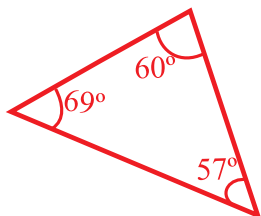
- (1) $\frac{11}{13}$ (2) 1
 (3) 11 (4) None of these

11. Which number is shown by the following?



- (1) $6\frac{3}{4}$ (2) $6\frac{1}{4}$
 (3) $7\frac{3}{4}$ (4) None of these

12. What kind of triangle is this?



- (1) Acute (2) Right
 (3) Obtuse (4) None of these

13. Find the missing number.



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

14. Look at this pattern



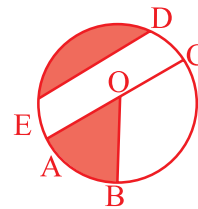
What are the next three shapes in the Pattern?

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

15. If the diameter of a circle is 14 cm, then its circumference is

- (1) 30 cm (2) 44 cm
 (3) 35 cm (4) None of these

16. From the given figure identify a sector.



- (1) AC (2) OA
 (3) OAB (4) None of these

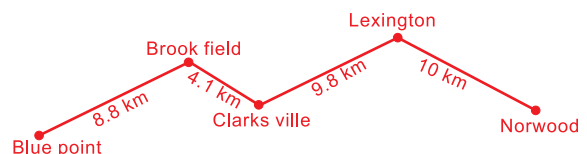
17. What is the angle measure for half a revolution?

- (1) 60° (2) 90°
 (3) 180° (4) None of these

18. In 9.34, in which place is the 3?

- (1) Hundredths (2) Tenths
 (3) Thousandths (4) None of these

19. Using the paths shown, how far is it from Bluepoint to Clarksville?



- (1) 12.9 km (2) 4.1 km
 (3) 32.7 km (4) None of these

20. What fraction does the number line show?



(1) $\frac{8}{10}$

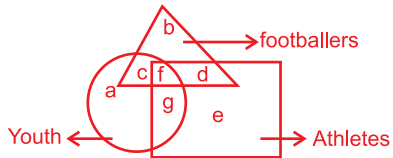
(2) $\frac{3}{10}$

(3) $\frac{7}{10}$

(4) None of these

INTERACTIVE SECTION

21. In the figure, the circle represents youth, the triangle represents footballers and the rectangle represents athletes. Which letter represents athletes among youths who are not footballers?



(1) g

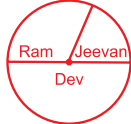
(2) g and c

(3) f

(4) none of these

22. The following are the results from the class election, If 150 students voted, about how many votes did Ram receive?

Class President Results



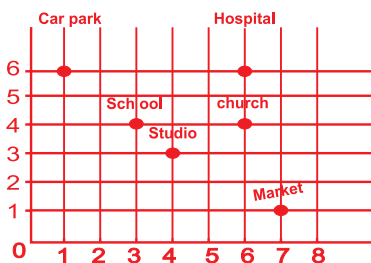
(1) 25

(2) 38

(3) 50

(4) None of these

23. Find locations in a x, y-axis.



Which place is located here (1, 6)?

- (1) Car park
- (2) Hospital
- (3) Church
- (4) None of these

24. A

B

C

Which diagram is the set A?

(1)

(2)

(3)

(4) None of these

25. What is the cost of 20 teddy bears?



- (1) ₹ 1000
- (2) ₹ 10,000
- (3) ₹ 500
- (4) None of these



END OF THE EXAM