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INTERACTIVE OLYMPIADS

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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
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Level - 1 : Level-1 winners will get certificate, aptitude report, medals for the school toppers and online subscription.

Level - 2 : Top 10 % including 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, aptitude report, medals, Mp3 player, watches, educational CDs, laptop, scholarship, online subscription etc.

Level - 3 : Top 1% 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.

- You are allowed additional 10 minutes to fill the required details in the **RESPONSE SHEET**.
- 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 coordinator teacher.
- 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.

NATIONAL INTERACTIVE MATHS OLYMPIAD

NIMO

6 Class **A1 Paper Code**

LEVEL - 1

Academic Partner — WWW.EDUSYS.IN

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INTERNATIONAL SCIENCE AND ENGINEERING FAIR

H THE HARVARD - MIT MATHEMATICS TOURNAMENT

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MENTAL ABILITY

- $(6 + 8) - (44 - 16) \div 2$ is equal to : -
(1) 2 (2) 1
(3) 0 (4) None of these
- Sock is to foot : : Hat is to
(1) Hand (2) Head
(3) Hanger (4) None of these
- The vertical line in the graph is called
(1) X - axis (2) line
(3) Y - axis (4) None of these
- If for 40 then
 will stand for _____

- (1) 30 (2) 20
(3) 10 (4) None of these
- If Cost Price = Selling Price - Profit, then there is
(1) Profit (2) Loss
(3) No profit No loss (4) None of these

MATHEMATICS

- Write your answer in simplest form?

$$\frac{11}{16} + \frac{5}{16}$$

- (1) $\frac{6}{16}$ (2) $\frac{16}{16}$
(3) 1 (4) None of these

7. What is the next fraction in this sequence?

$$\frac{1}{12}, \frac{4}{12}, \frac{9}{12}, \frac{16}{12}, \frac{25}{12}, \text{-----}$$

- (1) $\frac{64}{12}$ (2) $\frac{36}{12}$
(3) 3 (4) None of these

8. Round off 63421 to the nearest thousand

- (1) 63400 (2) 63000
(3) 63420 (4) None of these

9. What is 50% of 2500 ?

- (1) 12500 (2) 1520
(3) 125 (4) None of these

10. Find the HCF of 48 and 54.

- (1) 6 (2) 4
(3) 2 (4) None of these

11. Radius = $\frac{\text{Diameter}}{2}$

- (1) True (2) False
(3) Can't say (4) None of these

12. Which number is prime?

- (1) 72 (2) 71
(3) 70 (4) None of these

13. What decimal is equal to $\frac{4}{5}$?

- (1) 8 (2) 0.008
(3) 0.08 (4) None of these

14. The sum of the three angles of a triangle is _____

- (1) 360° (2) 90°
(3) 180° (4) None of these

15. There are 24 boys and 16 girls in class 6. What is the % of boys in the class?

- (1) 60% (2) 30%
(3) 40% (4) None of these

16. Find the value of z?

$$8 \times 37 = (8 \times 30) + (7 \times z)$$

- (1) 7 (2) 8
(3) 9 (4) None of these

17. The scientific notation of 0.000078 is _____

- (1) 7.8×10^5 (2) 7.8×10^{-5}
(3) 0.0078×10^{-2} (4) None of these

18. Find the average of the 48, 64, 55, 53 and 50

- (1) 48 (2) 64
(3) 54 (4) None of these

19. Which temperature is warmer, 25°F or 25°C ?

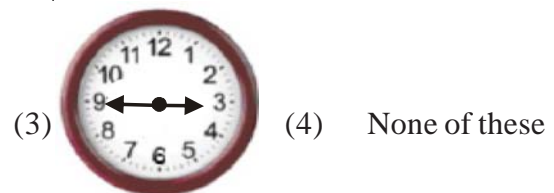
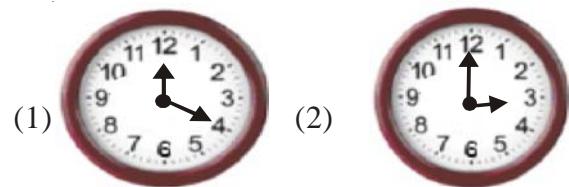
- (1) 25°F (2) 25°C
(3) Both are equal (4) None of these

20. $\frac{3}{5} \div \frac{9}{10} =$

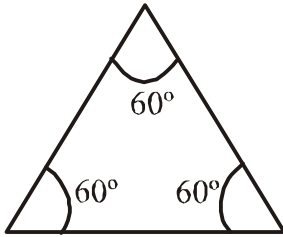
- (1) $\frac{3}{2}$ (2) $\frac{2}{3}$
(3) 2 (4) None of these

ETG INTERACTIVE SECTION

21. Which of the given clock makes an angle of 180° .

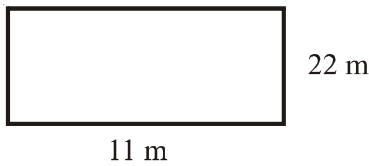


22. What kind of triangle is this ?



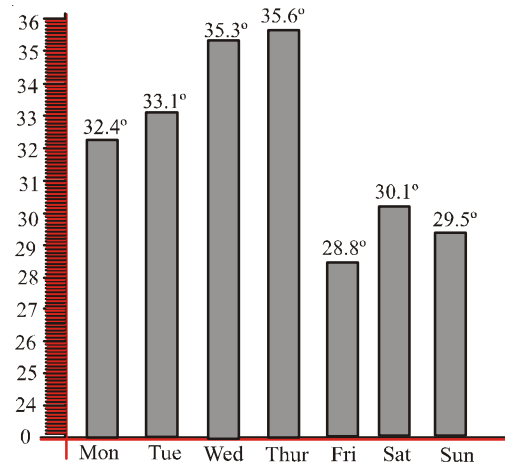
- (1) Scalene (2) Isosceles
(3) Equilateral (4) None of these

23. What is the area ?



- (1) 33m^2 (2) 24m^2
(3) 242m^2 (4) None of these

(24 - 25) The maximum temperatures recorded in the first week of March 2002 in Kolkata are shown in the column graph below.



24. Which day recorded the highest maximum temperature?

- (1) Monday (2) Wednesday
(3) Thursday (4) None of these

25. Which day recorded the lowest maximum temperature?

- (1) Saturday (2) Friday
(3) Sunday (4) None of these



END OF THE EXAM