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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
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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 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

- 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.
- 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.
- 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 BIOTECHNOLOGY OLYMPIAD

N B T O

6 Class **A1** Paper Code

LEVEL - 1



GENERAL KNOWLEDGE

- International Day for the preservation of the Ozone layer is celebrated on
 - 22 May
 - 16 September
 - 22 April
 - None of these
- Which fruit peel is used for the removal of toxins from water?
 - Papaya
 - Mango
 - Banana
 - None of these
- Acid rain is caused by increase in the atmospheric concentration of
 - SO₂ & NO₂
 - Ozone & dust
 - SO₃ & CO
 - None of these
- The main function of the roots in aquatic plants is
 - To hold the plant in place

- To absorb nutrition
- To prepare food
- None of these

- Which of the following sources of energy is not renewable ?
 - Solar power
 - Hydro power
 - Petroleum
 - None of these

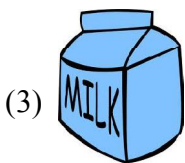
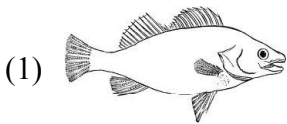
EVS

- Femur, Tibia and Fibula are bones of the



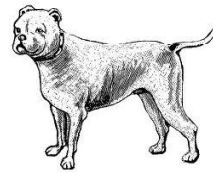
- None of these

7. The underground stem that grows into a new plant is a
 (1) Node (2) Root
 (3) Bulb (4) None of these
8. Which of the following is a deficiency disease?
 (1) Night blindness (2) Meningitis
 (3) AIDS (4) None of these
9. The nervous system consists of billions of nerve cells called
 (1) Neutrons (2) Neurons
 (3) Sensory (4) None of these
10. Which of the following is not dispersed by water?
 (1) Lily (2) Drumstick
 (3) Coconut (4) None of these
11. Which is the red pigment found in blood?
 (1) Haemoglobin (2) Myoglobin
 (3) Chlorophyll (4) None of these
12. Which of the following is an important source of vitamin?



(4) All of these

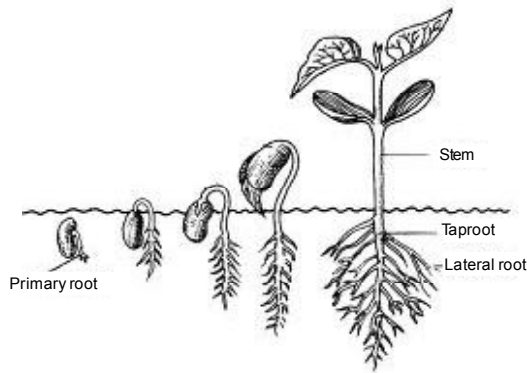
13. What is the purpose of small hairs inside the nose?
 (1) To keep dust out of the lungs.
 (2) To tickle the nose and cause sneezing
 (3) To fight diseases
 (4) None of these
14. Which of the following animals can lay eggs?



(3) (4) None of these

15. The jelly fish is an invertebrate because
 (1) It lacks blood
 (2) It lacks cell
 (3) It lacks back bones
 (4) None of these
16. Which of the following disease is spread through contaminated food and water?
 (1) Cholera (2) Dengue
 (3) Malaria (4) None of these
17. Which nerves carry messages to the brain ?
 (1) Mixed nerves
 (2) Sensory nerves
 (3) Motor nerves
 (4) None of these
18. Which of the following is true about fermentation?
 (1) Fermentation makes things hard
 (2) Fermentation occurs in the absence of air
 (3) Fermentation is a harmful process
 (4) None of these
19. In an ecosystem, biotic factors affect the survival of an organism in that ecosystem. They include
 (1) Competition for food and water
 (2) Competition for shelter
 (3) Co-operation to help find food
 (4) All of these
20. Swollen abdomen and thin legs are the symptoms of which disease?
 (1) Kwashiorkor
 (2) Dysentery
 (3) Malaria
 (4) None of these

21. The below diagram shows which process in plants?

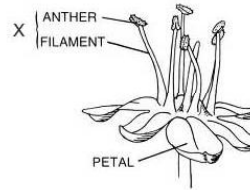


- (1) Pollination
- (2) Germination
- (3) Transpiration
- (4) None of these

22. Wool burns with the smell of burning hairs because

- (1) It is a natural fibre
- (2) It is a synthetic fibre
- (3) It is obtained from the hair of sheep
- (4) None of these

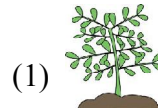
23.



Here 'X' is called

- (1) Stamen
- (2) Sepal
- (3) Pedicel
- (4) None of these

24. Which among the following is not an autotroph?



(1)



(2)



(3)

(4) None of these

25. Which of the following illustrates that microbes were used even in ancient times?

- (1) Production of alcohol and vinegar
- (2) Recycling of garbage
- (3) Production of antibiotics
- (4) None of these



END OF THE EXAM