



EduHeal Foundation

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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
SCIENCE
OLYMPIAD

N I S O

6
Class

B1
Paper
Code

L E V E L - 1

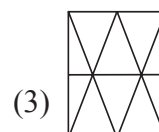
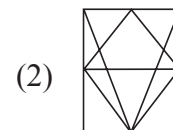
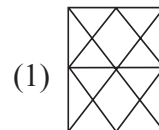
GENERAL IQ

1. Read the following statements and choose the correct answer.
Lamp A is less bright than Lamp B
Lamp B is brighter than Lamp C
Lamp C is as bright as Lamp D
Lamp B is brighter than Lamp D
Which of the following lamp is the brightest?
(1) Lamp A (2) Lamp B
(3) Lamp C (4) None of these
2. Which letter in English alphabet is formed when you go uphill, then down hill and go across in the middle.
(1) A (2) E
(3) F (4) None of these

3. In the Smith family there are mother, father and 7 daughters. Each girl has one brother. How many members are there in the family?

- (1) 10 (2) 14
(3) 11 (4) None of these

4. In which of the following figures 'X' is embedded?



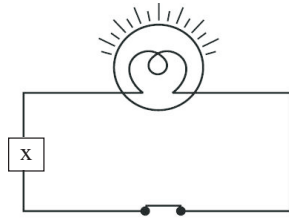
- (4) None of these

5. Which number comes next in the following series 4, 5, 8, 17, 44, _____ .

- (1) 80 (2) 125
(3) 112 (4) None of these

GENERAL SCIENCE

6. In the diagram which essential part of an electric circuit is missing at position X?



- (1) Wires
 (2) On/off switch
 (3) Source of electric current
 (4) None of these
7. If we spread iron filings on a sheet of paper and place a bar magnet over them, then:
- (1) The iron filings will be attracted uniformly by the magnet
 (2) More iron filings will be attracted towards the centre of the magnet.
 (3) More iron filings will be attracted towards the ends of the magnet.
 (4) None of these
8. Which of these statements is correct?
- (1) If an indicator changes colour with a base, it does not change colour with an acid.
 (1) Change of colour in acid and a base depends on the type of the indicator.
 (3) Both 1 and 2
 (4) None of these
9. Match the following terms with their definitions given below:
- | | | |
|----------------|---|------------------------------------------------------------------------------|
| I Nutrition | – | A. Organism deriving its food from dead and decaying plants and animals |
| II Parasite | – | B. Association of 2 different organisms in which both are mutually benefited |
| III Saprophyte | – | C. Process of obtaining and utilizing food |

- IV Symbiosis – D. Organism that derives its food from the living body of another organism

- (1) I – B, II – C, III – D, IV – A
 (2) I – C, II – D, III – A, IV – B
 (3) I – D, II – A, III – B, IV – C
 (4) None of these
10. Which of the statements given below is false?
- (1) Tooth decay is a slow change.
 (2) Weathering of rocks is an irreversible change.
 (3) Breaking of a clay toy is an irreversible change.
 (4) None of these
11. Why cold water is poured over the hot metal rim which covers a wooden wheel?
- (1) Because cold water is good for the life of the wheel.
 (2) Because the wooden wheel expands
 (3) Because the rim contracts and fits over the wheel
 (4) None of these
12. What kind of reproduction is depicted in the diagram



Parent

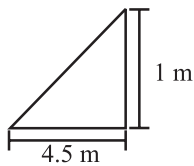


New Plant

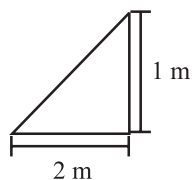
- (1) Fragmentation (2) Spore formation
 (3) Bud formation (4) None of these
13. Why is electrical wiring usually made from copper?
- (1) Because copper is not magnetic
 (2) Because copper conducts electricity
 (3) Because copper is shiny
 (4) None of these
14. It is said that hydro-electric power stations are advantageous over coal power stations. This is because
- (1) Use of renewable energy sources and pollution free.

22. Which of the given inclined planes would be the most efficient to use to move an object upward?

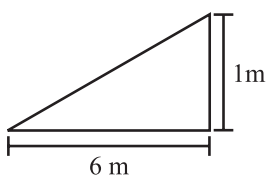
(1)



(2)



(3)



(4) None of these

23. From the above table, identify the substance which could be sugar?

Property	Substance X	Substance Y	Substance Z
State	Solid	Solid	Solid
Dissolves in water	Yes	Yes	No
Attracted to magnet	No	No	Yes
Colour	White	White	White
Structure	Each ion is surrounded by six ion of the opposite charge	Contain six carbon atoms and an aldehyde group	

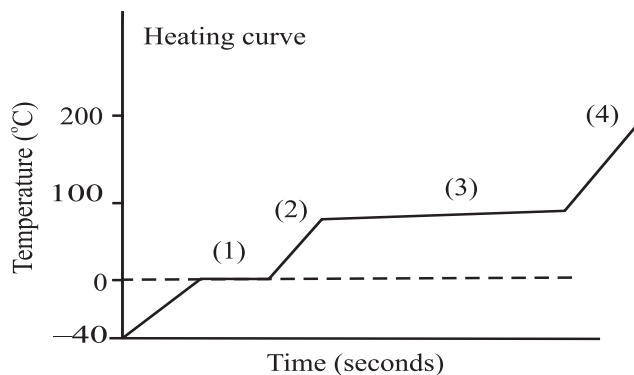
(1) Substance X

(2) Substance Y

(3) Substance Z

(4) None of these

24. The graph shows the temperature changes as a sample of ice is heated? What happens during time (1)?



(1) Ice is melting

(2) Water is evaporating

(3) Water is freezing

(4) None of these

25. Anil and his friend are tracking on a very high hill. As they climb up the hill, they feel more suffocation as

(1) They had covered a long distance

(2) There are no plants on the hill

(3) There is less percentage of oxygen

(4) None of these



END OF THE EXAM