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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.**

**NATIONAL
BIOTECHNOLOGY
OLYMPIAD**

N B T O

4
Class

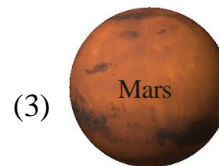
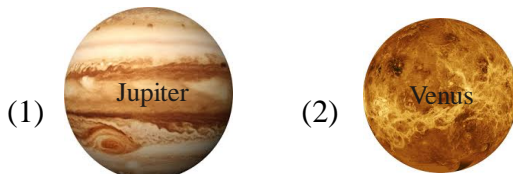
A1
Paper
Code

L E V E L - 1

GENERAL KNOWLEDGE

1. _____ is the basic need of our life.
(1) Water (2) Rocks
(3) Stones (4) None of these
2. Which of the following plays an important role in the cause of rainfall
(1) Evaporation
(2) Condensation
(3) Both evaporation & condensation
(4) None of these

3. The brightest planet is

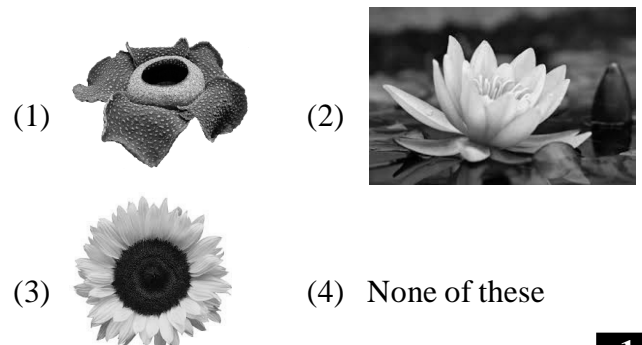


- (3) Mars (4) None of these

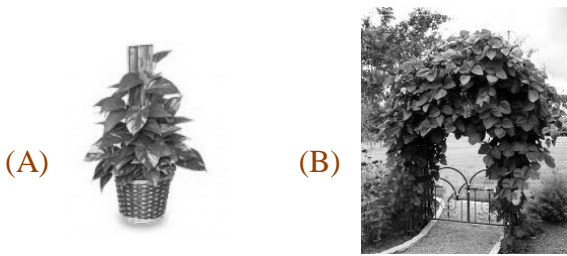
4. The National Emblem of India has been taken from the pillar of Sarnath which had:

- (1) An Elephant (2) Four Lions
(3) A Lion (4) None of these

5. Which is the largest flower in the world?



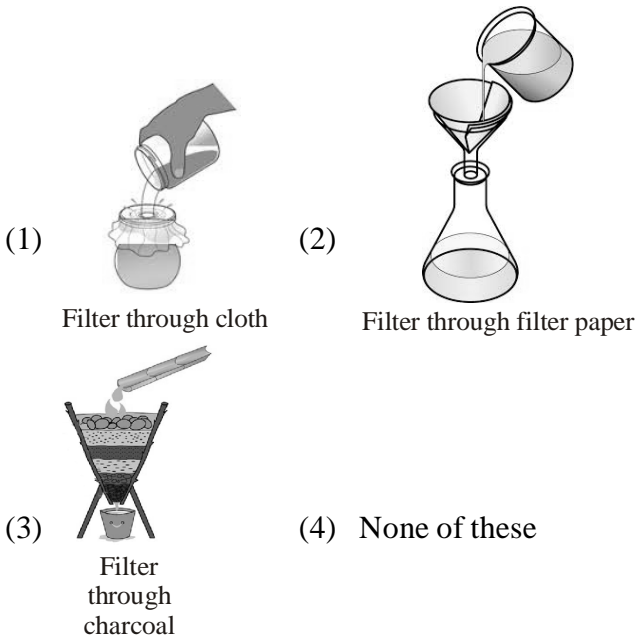
6. Look at the following plants:



They have weak and soft stem and need support to stand and grow straight. They are _____ .

- (1) Climbers
- (2) Creepers
- (3) Shrub
- (4) None of these

7. Observe the pictures and choose which one is the best method, for filtering water.



8. Find the odd one out from the following:

- (1) Evaporation
- (2) Condensation
- (3) Floods
- (4) None of these

9. Typhoid and cholera are typical examples of

- (1) Infectious diseases
- (2) Air-borne diseases

- (3) Water-borne diseases
- (4) None of these

10. Which is the largest organ in the human body?

- (1) Liver
- (2) Heart
- (3) Skin
- (4) None of these

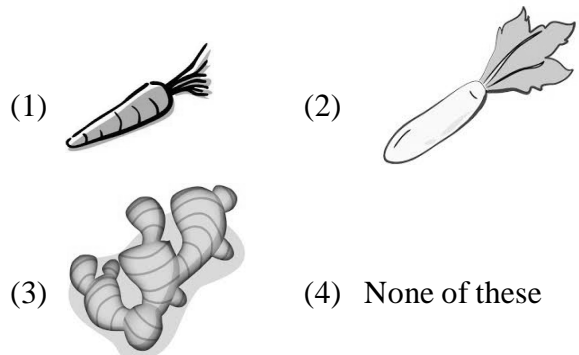
11. Cows have strong grinding teeth at the back of the mouth, but they cannot eat the flesh of other animals. This is because:

- (1) They do not need to eat the flesh
- (2) They don't have strong grinding teeth at the front
- (3) They don't have long sharp pointed teeth
- (4) None of these

12. Deficiency of water in the body results in

- (1) Dehydration
- (2) Anaemia
- (3) Weak bones
- (4) None of these

13. Which of the following is not a root?



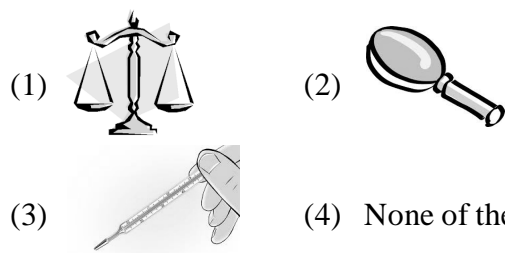
14. Which of the following floats on water?

- (1) Air filled tube of a tyre
- (2) A sharpner
- (3) A stone
- (4) None of these

15. Frozen water is called

- (1) fog
- (2) ice
- (3) steam
- (4) none of these

16. Which tool should a student use to see the patterns on a small object?



17. Green plants get the energy they need to make food from

- (1) water
- (2) air
- (3) sunlight
- (4) none of these





18. What appears on the bottle when you take it out of the refrigerator?

- (1) Water drops
- (2) Jam
- (3) Cool air
- (4) None of these

19. A Plant's food is glucose. Another word for glucose is....

- (1) chlorophyll
- (2) flour
- (3) sugar
- (4) none of these

20. Match the following:

	Column I		Column II
(a)	Pumps blood to all parts of the body	(i)	
(b)	Controls all our actions	(ii)	
(c)	Exchange of gases takes place	(iii)	
(c)	Helps in digestion of food	(iv)	

- (1) A-ii, B-iii, C-i, D-iv
- (2) A-iii, B-ii, C-i, D-iv
- (3) A-iii, B-i, C-iv, D-ii
- (4) None of these

21. A lady with a baby is sitting under a table holding tightly during an earthquake. Why do you think, one should go under a table or any other strong object during an earthquake?



- (1) The table will work like a parachute while the lady and baby are going down
- (2) They will be comfortable under the table during the earthquake
- (3) The table will save them from heavy things like stones, roofs or fans falling on them.
- (4) None of these

22. Identify the figure.



- (1) Tunnel
- (2) Canal
- (3) Dam
- (4) None of these

23. Which is essential for forming haemoglobin in the blood?

- (1) Calcium
- (2) Iron
- (3) Phosphorous
- (4) None of these

24. When a cup of water at room temperature is put in a freezer, the water's state of matter will change from

- (1) liquid to gas
- (2) gas to liquid
- (3) liquid to solid
- (4) none of these

25. At approximately what time of day is the Sun at the highest point in the sky to an observer in India?

- (1) 6 a.m.
- (2) Noon
- (3) 6 p.m.
- (4) None of these



END OF THE EXAM