



# EDUHEAL FOUNDATION



## INTERACTIVE OLYMPIADS

EDUHEAL FOUNDATION CONDUCTS 6 OLYMPIADS ANNUALLY REACHING OUT TO 3,500 + SCHOOLS  
• 4 LAKH + STUDENTS • 50,000 COORDINATING TEACHERS AND HAVING 500 RESOURCE PERSONS  
IN ENGLISH / MATHS / SCIENCE / BIOTECH / COMPUTER / G.K. & 300 REGIONAL COORDINATORS.

WEBSITE : [WWW.EDUHEALFOUNDATION.ORG](http://WWW.EDUHEALFOUNDATION.ORG) • E-MAIL : [EDUHEALFOUNDATION@GMAIL.COM](mailto:EDUHEALFOUNDATION@GMAIL.COM)

<b>IGO</b> INTERNATIONAL CYBER OLYMPIAD	<b>NISO</b> NATIONAL INTERACTIVE SCIENCE OLYMPIAD	<b>NIMO</b> NATIONAL INTERACTIVE MATHS OLYMPIAD	<b>NBTO</b> NATIONAL BIOTECHNOLOGY OLYMPIAD	<b>IEO</b> INTERNATIONAL ENGLISH OLYMPIAD	<b>IGO</b> INTERNATIONAL G.K. OLYMPIAD
---	---	---	--	---	--

**NATIONAL  
BIOTECHNOLOGY  
OLYMPIAD**

**N B T O**

**4**  
Class

**A1**  
Paper  
Code

Academic Partner ——— WWW.EDUSYS.IN

**EtG**  
BOOKS

Creating  
**SUCCESS**  
Stories

A Unit of EDUSYS LEARNING MEDIA

AIEEE • IIT • PMT • OLYMPIADS







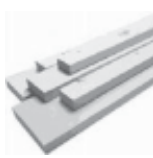

### IMPORTANT INFORMATION

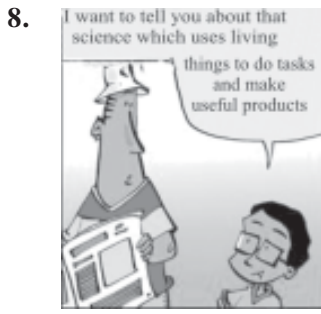
- You are allowed additional 10 minutes to fill the required details in the **RESPONSE SHEET**.
- The question paper is made as per syllabus guidelines & pattern given in the information Booklet. The Question Paper for Classes 1 to 6 contains 25 Questions each to be answered in 40 minutes. The Question 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.

### GENERAL KNOWLEDGE

- What saves us from the bad rays of the Sun?  
(1) Ozone gas (2) Oxygen gas  
(3) Laughing gas (4) None of these
- What happens when oil gets mixed in water bodies like lakes, river and ocean?  
(1) The water becomes rich in soil  
(2) It support the flora and fauna in water  
(3) It kills the animals and plants living in water  
(4) None of these
- What is the correct posture while reading?  
(1) Sit in a correct posture and do not bend your neck  
(2) Do not read while lying down  
(3) The light should be coming from the left side while reading at night  
(4) All of the above
- Pollution of water is more harmful than air because  
(1) It affects both aquatic and terrestrial organisms  
(2) It cannot be purified easily  
(3) It contains a number of undissolved impurities  
(4) None of these
- Hospital waste should be  
(1) Dug in soil  
(2) Thrown by packing in plastic bags  
(3) Incinerated  
(4) None of these

### EVS

- Which of the following organism is made up of one cell?  
(1)  (2)   
(3)  (4) None of these
- In making of which of the following items microbes play an important role.  
1.  2.  3.   
4.  5.   
(1), (2), (4) and (3) (2) 1, 2, 4, 5  
(5) (2), (3) (4) None of these



About which science is the boy talking in the picture?

- (1) Botany (2) Biotechnology  
(3) Animal science (4) None of these

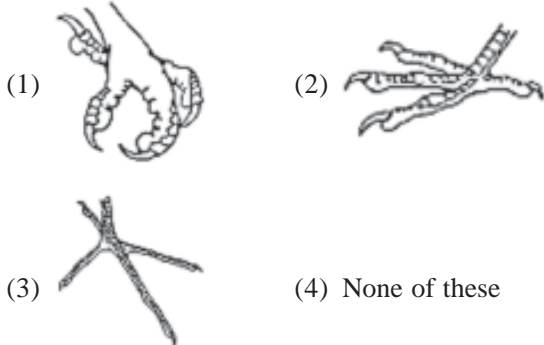
9. The picture below shows a plant that is bending as it grows.



What **most likely** caused the plant to bend this way?

- (1) Light (2) Gravity  
(3) Wind (4) None of these

10. Which bird's foot below is **best** for grasping prey?



11. Match the following

Column I

Column II



P. Aquatic



Q. Amphibian



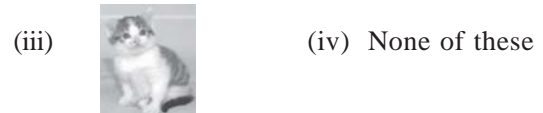
R. Terrestrial



S. Aerial

- (1) A-P, B-S, C-Q, D-R  
(2) A-S, B-Q, C-P, D-R  
(3) A-Q, B-P, C-R, D-S  
(4) None of these

12. Which of the following picture represents clones.

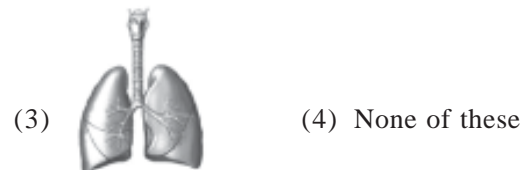


- (1) Only (i) (2) Only (i) and (ii)  
(3) All the three (4) None of these

13. Sheeps have long hairs on their body. What is the purpose of long hairs?

- (1) Long hairs give them beauty  
(2) Long hairs made wool  
(3) Long hair (wool) stops loss of heat from the body  
(4) None of these

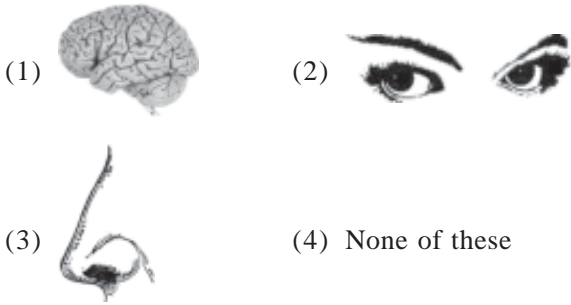
14. The organ which filter waste products from the blood is



15. Doctors can hear the sound of heart beat through



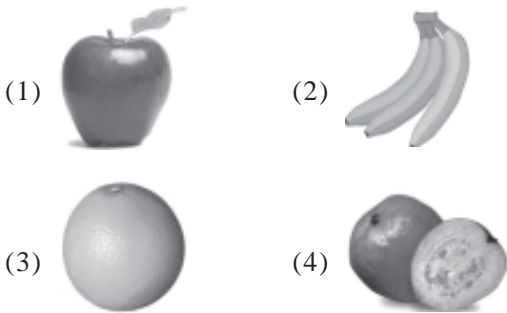
16. The biggest sense organ of our body is



17. Almond and Cashew are

- (1) Dry fruit (2) Staple fruit  
(3) Fresh fruit (4) None of these

18. Which one of the following is rich in vitamin C



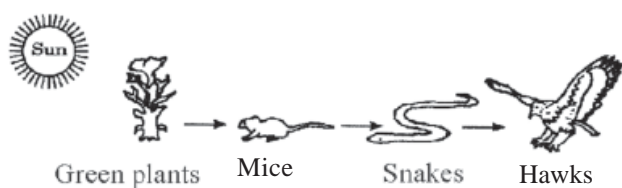
19. Match the columns.

Column A	Column B
A. Ginger	1. Leaf
B. Tomato	2. Seed
C. Rice	3. Fruit
D. Spinach	4. Stem

Which one among the following is the correct matching?

- (1) A-2, B-1, C-4, D-3  
(2) A-4, B-3, C-2, D-1  
(3) A-3, B-1, C-4, D-2  
(4) None of these

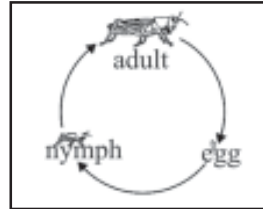
20. A food chain is shown in diagram



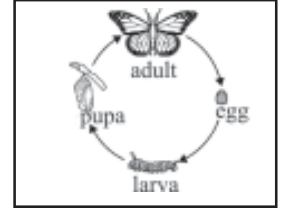
Which population would most likely decrease if the number of mice greatly increased?

- (1) Green Plants (2) Mice  
(3) Snakes (4) Hawks

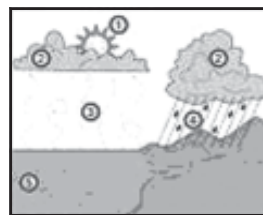
**EtG INTERACTIVE SECTION**



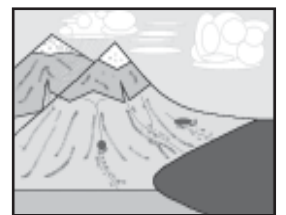
(i)



(ii)



(iii)



(iv)



(v)

21. Which of the following picture show water cycle  
(1) iv (2) iii  
(3) ii (4) None of these
22. Which of the following picture show grasshopper life cycle  
(1) ii (2) i  
(3) iii (4) None of these
23. Which of the following picture represent growth?  
(1) ii (2) iii  
(3) v (4) None of these
24. Which of the following represent Butterfly lifecycle  
(1) ii (2) iii  
(3) v (4) None of these
25. Which of the following picture show evaporation?  
(1) iv (2) ii  
(3) i (4) None of these



**END OF THE EXAM**

# ROUGH PAGE