



EHF
LEARNING FOR LIFE

**EDUHEAL
FOUNDATION**

**CLASS
8**

LEVEL - 1

Set A1

EHF OLYMPIADS

- 4000 schools • 6 lakh students
- 10 olympiads • Global outreach



EHF

**NATIONAL INTERACTIVE
SCIENCE OLYMPIAD**

Name :

Roll No :

Class :

School :



**NATIONAL
BIOTECHNOLOGY
OLYMPIAD**



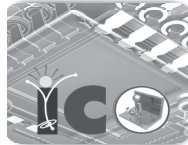
**NATIONAL
MATHS
OLYMPIAD**



**NATIONAL
SCIENCE
OLYMPIAD**



**INTERNATIONAL
CYBER
OLYMPIAD**



**INTERNATIONAL
ENGLISH
OLYMPIAD**



**INTERNATIONAL
GENERAL KNOWLEDGE
OLYMPIAD**



BSE international finance olympiad (BIFO)



NATIONAL IIT-PMT OLYMPIAD (NIPPO)

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 and Cricket.

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

Instructions for the Candidate

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.**

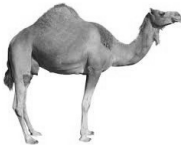


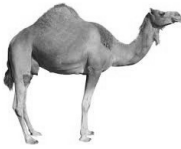
WEBSITE : WWW.EDUHEALFOUNDATION.ORG
E-MAIL : INFO@EDUHEALFOUNDATION.ORG

ROUGH WORK

GENERAL IQ

- B is to the South-West of A. C is to the East of B and South-East of A and D is to the North of C in line with BA. In which direction of A is D located?
(1) East (2) North
(3) North-East (4) None of these
- If North is called North-West, North-West is called West, West is called South-West and so on, what will South-East be called?
(1) West (2) South
(3) East (4) None of these
- A clock seen through a mirror shows quarter past four. What is the correct time shown by the clock?
(1) 9:45 (2) 9:15
(3) 7:45 (4) None of these
- Which number best fits the question mark?
0, 2, 24, 252, ?
(1) 3120 (2) 1040
(3) 620 (4) none of these
- Find the odd man out:
(1) Lion (2) Whale
(3) Crocodile (4) None of these
- CLOCK is 42145, LEAN is 2068, CARE is 4690, then NECKLACE is:
(1) 80546240 (2) 6054842
(3) 80452640 (4) None of these
- At a conference, 12 members shook hands with each other before & after the meeting. How many total number of hand shakes occurred?
(1) 132 (2) 100
(3) 145 (4) None of these
- Complete the alphabetic series: AZ, CY, EX, _____
(1) FW (2) GW
(3) FV (4) None of these
- Which alpha-numeric is the odd one out?
9D 8F 3E 6C
(1) 9D (2) 8F
(3) 3E (4) None of these
- If an angle is equal to one third of its supplement, then the angle is
(1) 60° (2) 45°
(3) 30° (4) None of these

GENERAL SCIENCE

- Pitcher is an example of
(1) Insectivorous plant (2) Leguminous plant
(3) Algae (4) None of these
- The walls of the large intestine do not absorb
(1) Cellulose (2) Digested food
(3) Both (1) and (2) (4) None of these
- The stomach releases _____ and digestive juices which act on food.
(1) sulphuric acid
(2) hydrochloric acid
(3) both (1) and (2)
(4) none of these
- Fungi is _____
(1) An Autotroph (2) Heterotroph
(3) Saprotrophic (4) None of these
- Out of the following which are the two terms related to silk production.
(1) Sericulture (2) Moriculture
(3) Both (1) and (2) (4) None of these
- Which of the following yield wool?

(1)  (2) 
(3) Both (1) and (2) (4) None of these

17. Alcohol thermometer is used to measure temperature from

- (1) -125°C to 50°C
- (2) -120° to 70°
- (3) -30 degree celcius to 100°
- (4) None of these.

18. Which of the following explanations would account for the increase in temperature inside a beehive?

- (1) the bees have a secret heat source
- (2) honey is a fuel that provides the heat source
- (3) the activity of the bees makes the hive warmer
- (4) none of these

19. Which is not a property of bases?

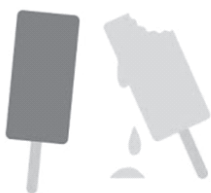
- (1) Bases do not change the colour of red litmus.
- (2) Bases do not change the colour of blue litmus.
- (3) Bases give pink colour with phenolphthalein.
- (4) None of these.

20. The organic acid present in Rancid Butter is

- (1) Hydrochloric acid (2) Butyric acid
- (3) Sulphuric acid (4) None of these

21. What type of change is shown by the given figure?

- (1) physical change
- (2) chemical change
- (3) both (1) and (2)
- (4) none of these



22. Eating of food shows

- (1) physical change (2) chemical change
- (3) both (1) and (2) (4) none of these

23. All changes taking place in the atmosphere are caused by the



- (1)



- (2)



- (3)

- (4) None of these

24. A carnivore with stripes on its body moves very fast while catching its prey. It is likely to be found in

- (1) Polar regions (2) Deserts
- (3) Tropical rainforests (4) None of these

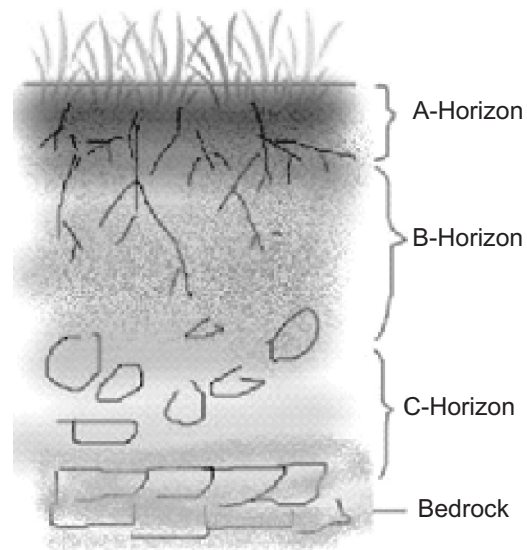
25. A very large swirling storm with very low pressure at the center.

- (1) Tornado (2) Hurricane
- (3) Cyclone (4) None of these

26. Any storm with low pressure and with a circular pattern of winds.

- (1) Tornado (2) Cyclone
- (3) Hurricane (4) None of these

27. Given below is the cross section of soil. Find from which layer the plants gets most of its nutrients and water.



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

28. The amount of different sizes of mineral particles in a soil defines the soil _____.

- (1) Pore space (2) Texture
 (3) Structure (4) None of these

29. Name the gas which is used by white blood cells to kill the invading bacteria.

- (1) Oxygen (2) Carbon dioxide
 (3) Nitrogen (4) None of these

30. What process is shown by the plant in the given figure?

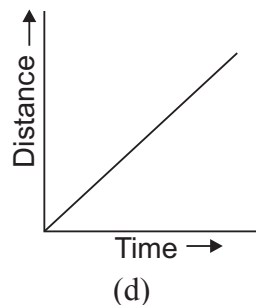
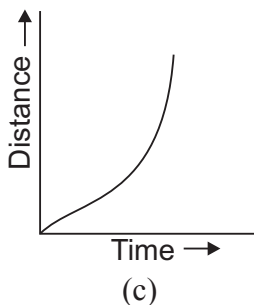
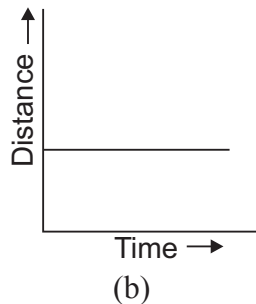
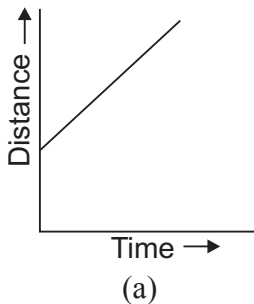


- (1) Transpiration
 (2) Wilting
 (3) Both (1) and (2)
 (4) None of these

31. A spore producing plant is

- (1) Rose (2) Bread mould
 (3) Potato (4) None of these

32. Which of the distance – time graphs shows that the speed of a body is constant?



- (1) (a), (b) and (c) (2) (b), (c) and (d)
 (3) (a), (b) and (d) (4) None of these

33. Image formed on the cinema screen is

- (1) real (2) virtual
 (3) erect (4) none of these

34. Full form of MCBs is

- (1) Miniature Circuit Breakers
 (2) Miniature Control Breakers
 (3) Magnetic Circuit Breakers
 (4) None of these

35. Fish in ponds and lakes die, because algae

- (1) takes all the minerals from water
 (2) takes all the oxygen of water
 (3) prevents Sunlight to enter water
 (4) none of these

36. Crowns of trees come in various shapes. Some common examples are

- (1) Fountain (3) Pyramidal
 (2) Both (1) and (2) (4) None of these

37. Sewage is mainly generated from which of the following?

- (1) Factories (2) Hospitals
 (3) Houses (4) None of these

38. When a glass rod is rubbed with a piece of silk cloth the rod

- (1) and the cloth both acquire positive charge.
 (2) becomes positively charged while the cloth has a negative charge.
 (3) and the cloth both acquire negative charge.
 (4) None of these

39. When two or more mirrors are placed at some angles to each other, we get to see multiple images. The number of images formed can be calculated by using the formula

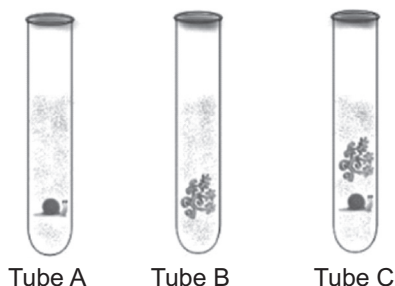
- (1) $\frac{360^\circ}{\text{Angle}} - 1$ (2) $\frac{360^\circ}{\text{Angle}} + 3$
 (3) $\text{Angle} - 1$ (4) None of these

40. _____ is used as fuel, as reducing agent in the smelting of iron ore in blast furnace.

- (1) Coal tar (2) Coke
 (3) Natural gas (4) None of these

INTERACTIVE SECTION

41. Take three test tubes and fill 3/4th of water in them. Label them A, B, and C. Keep a snail in test tube A, a water plant in test tube B and snail and plant in test tube C. Which statement is correct about the experiment?



- (1) Test tube C has highest concentration of CO_2
 (2) Test tube B has highest concentration of CO_2
 (3) The experiment shows the relationship between plants and animals
 (4) None of these
42. What is the BEST reason for including fruits and leafy vegetables in a healthy diet?
- (1) They have a high water content.
 (2) They are the best source of protein.
 (3) They are rich in minerals and vitamins.
 (4) None of these
43. A girl found the skull of an animal. She did not know what the animal was but she was sure that it preyed on other animals for its food. What clues led to this conclusion?
- (1) The eye sockets faced sideways.
 (2) The skull was much longer than it was wide.
 (3) Four of the teeth were long and pointed.
 (4) None of these
44. When you bend your arm at the elbow, the bones and muscles in your arm are acting as a system. What simple machine does this system represent?
- (1) Inclined plane
 (2) Pulley
 (3) Lever
 (4) None of these

45. Which of the following is NOT a mixture?

- (1) Air (2) Blood
 (3) Salt (4) None of these

46. Which one of the following places is unlikely to be affected by a cyclone?

- (1) Chennai (2) Mangalore
 (3) Amritsar (4) None of these

47. Find the excretory organ from the following.



- (1) (2)
 (3) Both (1) and (2) (4) None of these

48. Which of the following is not produced if you mix vinegar (an acid) and sodium bicarbonate (an alkali, or base) together?

- (1) Water (2) Salt
 (3) Air (4) None of these

49. Which is NOT an example of a chemical change?



- (1) (2)



- (3) (4) None of these

50. Which statement explains why daylight and darkness occur on Earth?

- (1) The Earth rotates on its axis.
 (2) The sun rotates on its axis.
 (3) The Earth's axis is tilted.
 (4) None of these.



END OF THE EXAM