



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 BIOTECHNOLOGY OLYMPIAD

Name :

Roll No :

Class :

School :



art and cricket clinic contest

NATIONAL BIOTECHNOLOGY OLYMPIAD



NATIONAL MATHS OLYMPIAD



NATIONAL SCIENCE OLYMPIAD



INTERNATIONAL CYBER OLYMPIAD



INTERNATIONAL ENGLISH OLYMPIAD



INTERNATIONAL GENERAL KNOWLEDGE OLYMPIAD



BSE INVESTORS' PROTECTION FUND

BSE international finance olympiad (BIFO)



NATIONAL IIT-PMT OLYMPIAD (NIPO)

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 KNOWLEDGE

1. What is the local name for the Indian Gooseberry Tree?
(1) Amla (2) Jamun
(3) Phalsa (4) None of these
2. Name the tree from whose fruit seeds are crushed to produce thick lubricant known as Margosa oil.
(1) Neem (2) Pine
(3) Coconut (4) None of these
3. Which of the following medicines was first obtained from the bark of a tropical tree?
(1) Penicillin (2) Morphine
(3) Quinine (4) None of these
4. From what type of wood are cricket bats usually made from?
(1) Maple (2) Willow
(3) Poplar (4) None of these
5. Bamboo is a type of
(1) Shrub (2) Tree
(3) Grass (4) None of these
6. Which one of the following is a native tree of India?
(1) Banyan (2) Willow
(3) Lemon (4) None of these
7. Who developed the idea of Crop Rotation?
(1) Potato Peterson
(2) Turnip Townsend
(3) Cabbage Carlson
(4) None of these
8. Who perfected Genetic Engineering?
(1) Cohen and Boyer
(2) Hunt and Davids
(3) Sinclair and Roberts
(4) None of these
9. Most fish do not sink in water because of the presence of
I. swim bladder
II. air bladder
III. air sacs
IV. air in spongy bones
(1) I and II are correct
(2) II and III are correct
(3) III and IV are correct
(4) None of these
10. Plants synthesis protein from
(1) starch (2) sugar
(3) amino acids (4) none of these

LIFE SCIENCE

11. Amarbel (*Cuscuta*) is an example of
(1) autotroph
(2) parasite
(3) saprotroph
(4) none of these
12. Which of the following statements is not true?
(1) Heterotrophs cannot prepare their own food.
(2) Dodder is an example of parasite.
(3) Saprophytes are green.
(4) None of these
13. Select the correct pair:
(1) Gastric juice - Mouth
(2) Pepsin - Stomach
(3) Lipase - Large intestine
(4) None of these
14. Insects suck the food in liquid form with the help of
(1) tentacles
(2) proboscis
(3) tongue
(4) none of these

15. Which of the following statements is not true?
- (1) Workers in wool industry generally suffer from Sorter's disease.
 - (2) Bakhrwal is an Indian breed of sheep.
 - (3) Rayon is a natural fibre.
 - (4) None of these

16. Chalk, limestone, marble, eggshells and seashells are made from
- (1) calcium hydroxide
 - (2) calcium oxide
 - (3) calcium carbonate
 - (4) none of these

17. Tooth pastes are generally _____ in nature.
- (1) basic
 - (2) acidic
 - (3) neutral
 - (4) none of these

18. Cool temperate climate is in areas that occurs in
- (1) eastern hemisphere
 - (2) western hemisphere
 - (3) northern hemisphere
 - (4) none of these

19. Respiratory organs and process of breathing is same as human beings in



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

20. Transport of food and minerals salts from leaves to all other parts of plant by phloem is known as
- (1) Translocation
 - (2) Transpiration
 - (3) Respiration
 - (4) None of these

21. Food is mainly transported in form of a sugar known as
- (1) Fructose
 - (2) Glucose
 - (3) Sucrose
 - (4) None of these

22. Which of the following is a spore producing plant?
- (1) Bread mold
 - (2) Rose
 - (3) Potato
 - (4) None of these

23. Which one is a dicotyledonous plant?

(1)




(2)



(3)



(4) None of these

24. Which electrical component represents the symbol  ?

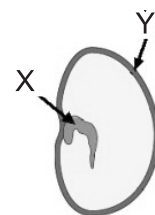
- (1) Electric cell
- (2) Electric bulb
- (3) Wire
- (4) None of these

25. In horticulture and agriculture, loss of water can be minimize by using
- (1) Canal irrigation
 - (2) Drip irrigation
 - (3) Deep irrigation
 - (4) None of these

26. Which of the following organisms are found in maximum number in forest?
- (1) Microorganisms
 - (2) Plants
 - (3) Animals
 - (4) None of these

27. Which among the following forest animals is the smallest?
- (1) Porcupine
 - (2) Boar
 - (3) Bison
 - (4) None of these

28. Name the parts labelled X and Y in the seed shown.



- (1) X = Plumule, Y = Radicle
- (2) X = Plumule, Y = Testa
- (3) X = Radicle, Y = Testa
- (4) None of these

29. Which of the following is non-biodegradable waste?

- (1) Cotton cloths
- (2) Plants and animals excreta
- (3) Plastic
- (4) None of these

30. Which one is not an organic waste?

- (1) Vegetable peels
- (2) Cotton cloths
- (3) DDT
- (4) None of these

31. Which soil is suitable for cereals like wheat?

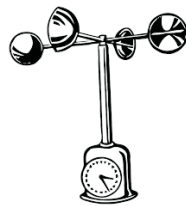
- (1) Clayey
- (2) Sandy
- (3) Both (1) and (2)
- (4) None of these

32. Mitochondria do not occur in

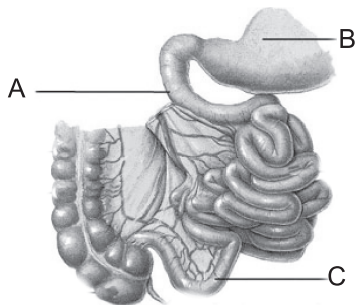
- (1) Ferns
- (2) Bacteria
- (3) Green algae
- (4) None of these

33. Name the device:

- (1) Anemometer
- (2) Thermometer
- (3) Barometer
- (4) None of these



34. Identify the parts in the given diagram:



- (1) Duodenum, Stomach, Ileum
- (2) Appendix, Stomach, Ascending colon
- (3) Cecum, Appendix, Mesentery
- (4) None of these

35. _____ plants are planted along the sewage treatment plant.

- (1) _____ Neem



- (2) _____ Sesame



- (3) _____ Eucalyptus



- (4) None of these

36. Which of the following is not a natural indicator?

- (1) Turmeric
- (2) Phenolphthalein
- (3) Rose petals
- (4) None of these

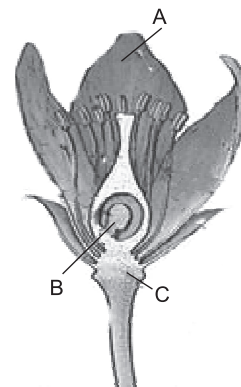
37. Bacterial diseases includes

- (1) diphtheria
- (2) SARS
- (3) small pox
- (4) none of these

38. Blue green algae fix _____ directly from air to enhance fertility of soil.

- (1) argon
- (2) oxygen
- (3) nitrogen
- (4) none of these

39. Identify the parts 'A', 'B' and 'C' in the flower:



- (1) A = Ovule, B = Receptacle, C = Petal
- (2) A = Petal, B = Ovule, C = Receptacle
- (3) A = Stamen, B = Pistil, C = Ovule
- (4) None of these

40. Find the odd man out:

- (1) Measles
- (2) Chicken Pox
- (3) Cholera
- (4) None of these

INTERACTIVE SECTION

41. Shape of moon is



- (1) circle (2) oval
(3) spherical (4) none of these

42. Which of the following are not correctly matched?

Column I

Column II

- | | |
|-----------------|--------------------|
| (a) Chlorophyll | (i) Leaf |
| (b) Nitrogen | (ii) Bacteria |
| (c) Amarbel | (iii) Heterotrophs |
| (d) Animals | (iv) Parasite |
| (e) Insects | (v) Pitcher plant |

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

43. On which of the following toy car will travel the farthest?

- (1) Wet marble floor
(2) Dry marble floor
(3) Newspaper
(4) None of these

44. Photovoltaic cells are also termed as

- (1) solar cells (2) voltar cell
(3) battery cell (4) none of these

45. What kind of motion is shown by a merry go round?



- (1) Circular motion
(2) Oscillatory motion
(3) Linear motion
(4) None of these

46. Which of the following travels fastest?

- (1) Sound (2) Light
(3) Supersonic aircraft (4) None of these

47. If I am 13 years old, I have gone round the sun _____ times.

- (1) Never gone round the sun
(2) 13
(3) 26
(4) None of these

48. Ravi was looking for Venus in the sky at midnight. Mohan laughed at him because Venus

- (1) Appears 1-3 hours after sunrise or 1-3 hours after sunset
(2) Appears 1-3 hours before sunrise or 1-3 hours after sunset
(3) Appears 1-3 hours before sunrise or 1-3 hours before sunset
(4) None of these

49. Identify the given plant:

- (1) Pitcher plant
(2) Venus flytrap
(3) Sundew
(4) None of these



50. China rose indicator turns acidic solutions _____.

- (1) light green
(2) blue
(3) dark pink
(4) none of these



END OF THE EXAM