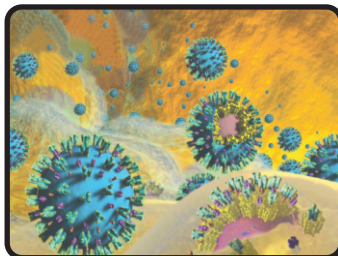


EtG

OLYMPIAD EXPLORER BIOTECHNOLOGY

EduHeal Foundation
Nationwide Biotechnology Olympiad
and other
National/International Biotechnology Olympiads/Talent Search Exams.



Class-2

EtG **BOOKS**

103, Taj Apartment, Near VMMC, Ring Road,
New Delhi - 110029, Ph. 011-26197342, 26161014

E-mail : edusys.in@gmail.com

Website : www.edusys.in

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(For additional science topics the child can also refer to science work books)

SYLLABUS GUIDELINES

CLASS - II

**Based on CBSE, ICSE & GCSE Syllabus
& NCF guidelines devised by NCERT**

Plants

About Plants, Herbs, Shrubs, Trees, Life of Plants what we get from plants.

Animal

About different types of animals, household/pet animals, wild animals, behaviour of animals, young ones of different animals.

Air Around us

Air, features of air, what moving air can do, simple experiments of air.

Water

How water is useful, how water move in nature - water cycle, work that moving water can do.

Up is the sky

Basic knowledge about Sun, Moon and stars, Indian astronaut.

Our Body

Various parts of our body. What work they do. How to keep clean our body parts, bones and muscles.

Food and Nutrition

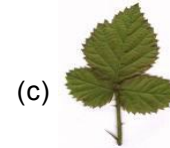
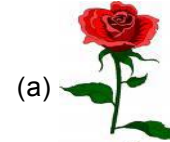
What we should eat. Which food is good. Good food habits.

Safety and First-Aid

Safety rules to be followed on roads, while playing. What to do when injured. Precaution while playing indoor games.



- Q.1.** All plants are same?
(a) True (b) False
(c) Can't say (d) None of these
- Q.2.** Plants are of different shapes and sizes.
(a) True (b) False
(c) Can't say (d) None of these
- Q.3.** Plants are mostly _____ in colour.
(a) Blue (b) Black
(c) Green (d) None of these
- Q.4.** Trees have hard, strong and woody _____.



- Q.5.** The hard, strong and woody stem of a tree is



(d) None of these

- Q.6.** Trees live for
(a) Few years (b) Many years
(c) One years (d) None of these
- Q.7.** Pipal, Mango, Banyan and Neem are names of
(a) Shrubs (b) Herbs
(c) Trees (d) Flowers

- Q.8.** Rose is a shrub. Does it stand straight?
 (a) Yes (b) No
 (c) Can't say (d) None of these

Q.9. What are these?



- (a) Shrubs (b) Herbs
 (c) Trees (d) None of these

Q.10. The stems of herbs are soft and small.
 (a) Yes (b) No
 (c) Can't say (d) None of these

Q.11. Herbs are always _____ in colour.
 (a) Green (b) Brown
 (c) Red (d) White



Q.12. _____ have long and _____ stems.

(Climbers)

- (a) Strong (b) Weak
 (c) Thick (d) None of these

Q.13. _____ are the food factory of plants.



- (a) (b)



- (c) (d)

Q.14. Match the following.

Column I

Column II



A. (gulmohar)



B. (pea plant)



C. (water melon plant)



D. (mint)

1. Climber

2. Tree

3. Herb

4. Creeper

- (a) A-1, B-2, C-3, D-4 (b) A-2, B-1, C-4, D-3
 (c) A-4, B-3, C-2, D-1 (d) None of these

Q.15. Big trees like banyan, Ashoka and Neem gives us



(banyan)



(ashoka)



(neem)

- (a) Shade (b) Clothing
 (c) Food (d) None of these

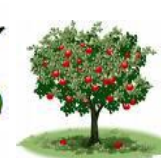
Q.16. The following trees are



(mango tree)



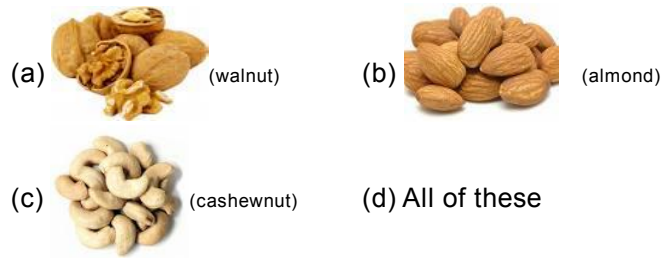
(banana tree)



(apple tree)

- (a) Fruit bearing trees (b) Medicinal trees
 (c) Trees used for furniture (d) All of these

Q.17. Plants also give us



Q.18. We eat the _____ of Turnip, Carrot and Radish.

- (a) Stem (b) Root
(c) Leaves (d) None of these

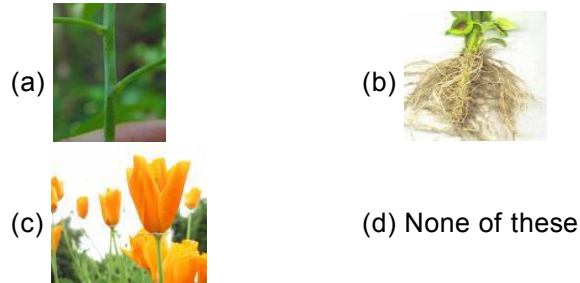
Q.19. The _____ of Potato, Ginger and Sugarcane are used for eating.

- (a) Stem (b) Root
(c) Flower (d) None of these

Q.20. The leaves of which plants can be used as a beverage (drink)

- (a) Tea (b) Coffee
(c) Both (a) and (b) (d) None of these

Q.21. From which part of the plant fruits or seeds are produced



Q.22.  and  are also a source of

- (a) Oil (b) Cloth
(c) Gum (d) None of these





Q.23. Quinine - a medicine obtained from the bark of cinchona tree is used to cure.

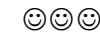
- (a) Typhoid (b) Malaria
(c) Jaundice (d) None of these

Q.24. Match the following

- | | |
|------------------------|------------------------|
| A. Teak Tree | 1. Tea |
| B. Tea Plant | 2. Door |
| C. Jute Plant | 3. Perfume |
| D. Jasmine Plant | 4. Sack |
| (a) A-2, B-1, C-4, D-3 | (b) A-3, B-2, C-1, D-4 |
| (c) A-4, B-2, C-1, D-3 | (d) A-1, B-2, C-4, D-3 |

Q.25. Match the following

- | | |
|---|------------------------|
| (a)  (grain) | 1. Fruit |
| (b)  (sugarcane) | 2. Gram |
| (c)  (cabbage) | 3. Stem |
| (d)  (mango) | 4. Leaves |
| (a) A-3, B-2, C-1, D-4 | (b) A-2, B-3, C-4, D-1 |
| (c) A-4, B-1, C-2, D-3 | (d) A-3, B-2, C-1, D-4 |



ANSWERS

1. (b) 2. (a) 3. (c) 4. (d) 5. (a) 6. (b) 7. (c) 8. (a)
9. (b) 10. (a) 11. (a) 12. (b) 13. (d) 14. (b) 15. (a) 16. (a)
17. (d) 18. (b) 19. (a) 20. (a) 21. (c) 22. (a) 23. (b) 24. (a)
25. (b)



Q.1. Animals that are useful to us and are kept in and around our homes are known as

- (a) Wild animals (b) Domestic animals
(c) Both (a) and (b) (d) None of these




Q.2. Animals like ,  and  give us milk and so are called as

- (a) Milch animals (b) Wild animals
(c) Riding animals (d) None of these


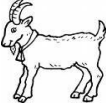

Q.3. Hen and duck lays _____.

- (a) Fruits (b) Seeds
(c) Eggs (d) None of these

Q.4. Some people eat flesh or meat of

- (a)  (b) 
(c)  (d) All of the above

Q.5. Silk is obtained from the silk fibre of

- (a)  (b) 
(c)  (d) None of these

Q.6. Leather is used to make

- (a) Shoes and Jackets (b) Purses and Bags
(c) Suitcases (d) All of the above





Q.7. The dung of Cow, Buffalo, Horse and Camel is used as _____ and fuel.

- (a) Manure (b) Decoration
(c) Make houses (d) None of the above

Q.8. The dog is a faithful animal and it guards our homes.
(a) No (b) Yes
(c) Can't say (d) None of these

Q.9. Insects like silkworm and honeybee give us
(a) Milk and Eggs (b) Milk and Fruits
(c) Silk and Honey (d) None of these

Q.10. Match the following

- A.  1 Wool
B.  2 Eggs
C.  3 Honey
D.  4 Leather

- (a) A-2, B-1, C-4, D-3 (b) A-4, B-2, C-1, D-3
(c) A-3, B-4, C-1, D-1 (d) A-1, B-2, C-4, D-3

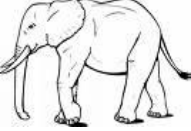

Q.11. Camels are very useful in

- (a) Deserts (b) Plains
(c) Hilly areas (d) None of these

Q.12. Animals that live in the forest or jungle are called as _____ animals.

- (a) Domestic (b) Pet
(c) Wild (d) None of these

Q.13. Match the following correctly

- A.  1. A wild bird
B.  2. A very big wild animal



3. A big wild animal



4. Small wild animal

(a) A-2, B-1, C-4, D-3
(c) A-4, B-2, C-1, D-3

(b) A-3, B-1, C-2, D-4
(d) A-1, B-2, C-4, D-3

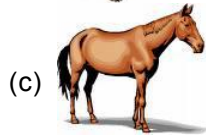
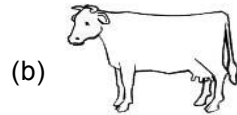
Q.14. Animals that feed on the flesh of dead animals are called

- (a) Scavenger (b) Carnivore
(c) Herbivore (d) None of these

Q.15. Animals like bear, jackal, rat and crow eat

- (a) Both flesh and plants (b) Only flesh
(c) Only plants (d) None of these

Q.16. Animals that live in homes made by man are



(d) All of the above

Q.17. A swarm of bees live in a _____.

- (a) Hive (b) Den
(c) Burrow (d) None of these

Q.18. Which one is correctly matched



1. Kennel



2. Nest



3. Stable

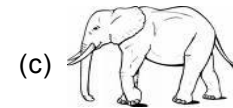
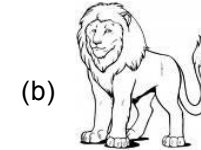


4. Den

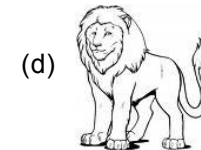
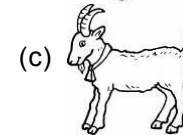
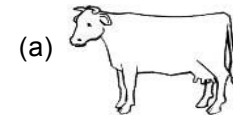
(a) A-3, B-1, C-2, D-4
(c) A-2, B-3, C-4, D-4

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

Q.19. An animal that carries a shell on its back



Q.20. Find the odd one out.



Q.21. The fish swims with the help of _____.

- (a) Fins (b) Gills
(c) Feathers (d) None of these



ANSWERS

1. (b) 2. (a) 3. (c) 4. (d) 5. (a) 6. (d) 7. (a) 8. (b)
9. (c) 10. (a) 11. (a) 12. (c) 13. (a) 14. (a) 15. (a) 16. (d)
17. (a) 18. (b) 19. (a) 20. (d) 21. (a)



**NATIONWIDE BIOTECHNOLOGY
OLYMPIAD (NBTO)
SAMPLE PAPER**

Total duration : 40 Minutes







Total Marks : 25

GENERAL KNOWLEDGE

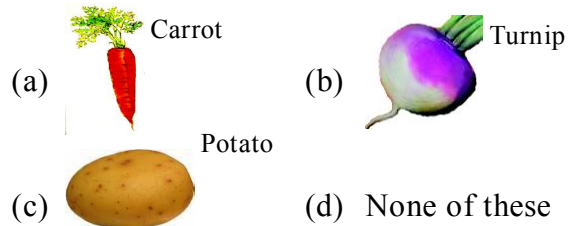
1. Is it ok to burn dry leaves collected during autumn?
(a) Yes, as they burn well
(b) No, they cause smoke pollution
(c) Can't say (d) None of these
2. We should leave the tap water on during brushing?
(a) Yes, as lot of water is needed for brushing
(b) No, as we waste lot of water
(c) Can't say (d) None of these
3. Why we ban plastic bags ?
(a) They are degradable (b) We have better alternatives
(c) Animals eat them and fall sick
(d) They collect and block the public water drains causing flooding in cities
4. Can water be recycled
(a) Yes (b) No
(c) Can't say (d) None of these
5. Why do we sell Newspaper, bottles, cans to 'Kabadiwala' because
(a) They can be recycled
(b) They are harmful to keep at home
(c) Kabadiwala likes to collect these items
(d) None of these

E.V.S.

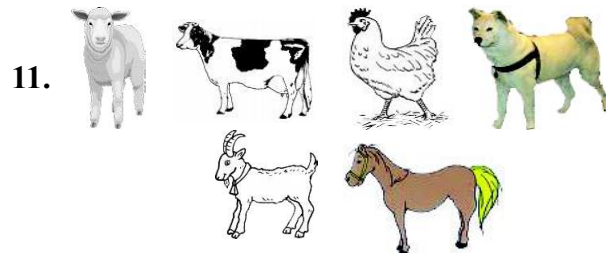
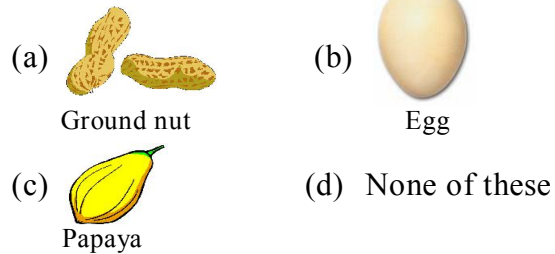
6. Which is correctly matched?

| | Tree | | Fruit |
|-----|---|---|---|
| (a) |  | - |  |
| (b) |  | - |  |
| (c) |  | - |  |
| (d) | None of these | | |

7. Which of the following is true?
 (a) Bacteria spoil our food
 (b) Bacteria cause diseases
 (c) Bacteria make curd
 (d) All of these
8. What all living things do?
 (a) Make food (b) Breath
 (c) Laugh (d) None of these
9. Which of the following is a stem



10. We get oil from



The animals shown above are grouped as

- (a) Wild animals (b) Domestic animals
 (c) Milk giving animals (d) None of these

12. “The Dung of cow, buffalo, horse is used as manure”

This statement is

- (a) True (b) False
 (c) Incomplete (d) None of these

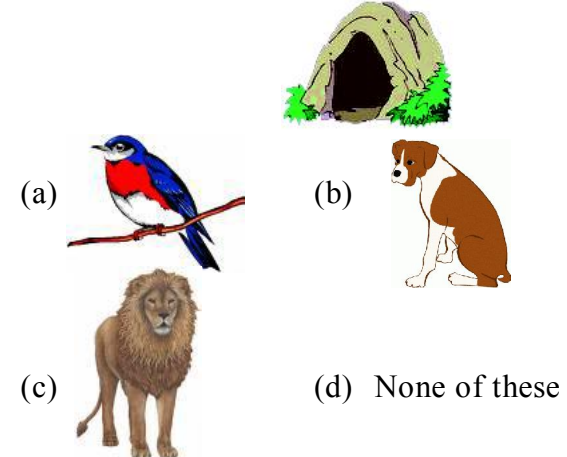
| | Wild | Domestic |
|----------------------|------|----------|
| Flesh eating animals | A | B |
| Plant eating animals | C | D |

- 13.

In which category does the elephant fall?

- (a) A (b) B
 (c) C (d) None of these

14. Who lives in the shown place?

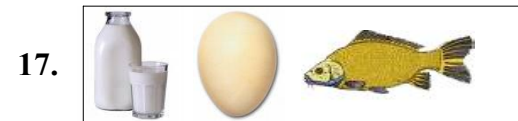


15. What helps you in body movement?




- (a) Liver & heart (b) Bones & muscles
 (c) Eyes & Ears (d) None of these

16. Germs are found in









- (a) Air (b) Water
 (c) Soil (d) All of these



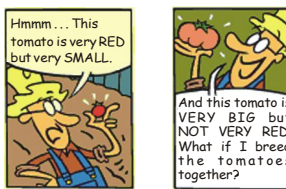
The food in the picture is

- (a) Energy giving food (b) Building food
(c) Protective food (d) None of these
18. What you must do before eating fruits & vegetables?
(a) Cut them (b) Wash them
(c) Cook them (d) None of these
19. 'Dust particles carry germs'. The statement is
(a) True (b) False
(c) Don't know (d) None of these
20. Which of the following is useful for us?
- (a)  Mosquito (b)  Earthworm
(c)  Bug (d) None of these




INTERACTIVE QUESTIONS

21. Seed is not found in
(a)  (b) 
(c)  (d) None of these
22. You can see very tiny things with
(a)  (b) 
(c)  (d) None of these
23. Which of the following do not have DNA?
(a)  (b) 

- (c)  (d) None of these

24.  The comic strip shows a farmer looking at a small red tomato and saying, 'Hmm... This tomato is very RED but very SMALL.' Then he looks at a large yellow tomato and says, 'And this tomato is VERY BIG but NOT VERY RED. What if I breed the tomatoes together?'

If the farmer breeds both the tomatoes together he can get

- (a) Very big tomato but not red
(b) Very red tomato but not big
(c) Very big and very red tomato
(d) None of these
25. What makes air fresh?
- (a)  (b) 
(c)  (d) None of these

☺ END OF THE EXAM ☺

ANSWERS

- | | | | | |
|---------|---------|---------|---------|---------|
| 1. (b) | 2. (b) | 3. (c) | 4. (a) | 5. (a) |
| 6. (c) | 7. (d) | 8. (a) | 9. (c) | 10. (a) |
| 11. (b) | 12. (a) | 13. (c) | 14. (c) | 15. (b) |
| 16. (d) | 17. (b) | 18. (b) | 19. (a) | 20. (b) |
| 21. (b) | 22. (a) | 23. (c) | 24. (c) | 25. (b) |

☺☺☺