

EtG

OLYMPIAD EXPLORER



Workbook for
**Nationwide Interactive SCIENCE Olympiad & Other
National/International Olympiads/Talent Search Exams.**

Also useful for Nationwide Biotechnology Olympiad (NBTO)

Based on CBSE, ICSE, GCSE, State Board Syllabus & NCF (NCERT)

100's of Q's with answers

- Chapterwise Practice Q's
- Revision Q's
- Sample Paper



Class

2

EDUHEAL FOUNDATION

• LEARNING FOR LIFE •

EduHeal Foundation conducts 5 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 & 300 Regional Coordinators.

PRIZES



WORKSHOP • TEACHER TRAINING PROG. • MAGAZINE/LAB GRANT • PRINCIPAL LEADERSHIP AWARD.

Contents

S.No.	Chapters	Page No.
1.	Revision Questions	1
2.	Plants	8
3.	Animals	13
4.	Air	17
5.	Water	20
6.	Up in the Sky	24
7.	Our Body	28
8.	Food & Nutrition	32
9.	Safety and First Aid	36
10.	NISO Sample Paper	40



SYLLABUS GUIDELINES

CLASS - II

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 moves in nature - water cycle, work that moving water can do.

Up is the sky

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

Our Body

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

Food and Nutrition

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

Safety and First-Aid

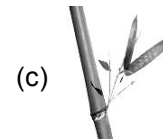
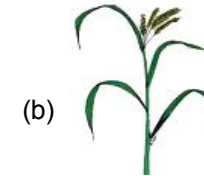
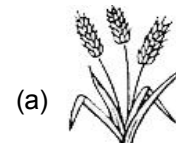
Safety rules to be followed on roads, while playing. What to do when injured. Precaution while playing indoor games.



REVISION QUESTIONS

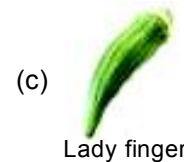
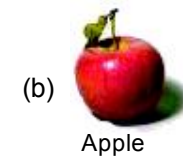
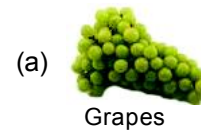
QUESTIONS FROM PREVIOUS CLASS

- Q.1.** Among the four which have strong stem.
(a) Trees (b) Shrubs
(c) Herbs (d) None of these
- Q.2.** Plants grow with the help of
(a) Sunlight (b) Water
(c) Food (d) All the three
- Q.3.** We eat food grains of
(a) Rice (b) Maize
(c) Wheat (d) All the three
- Q.4.** Which fruit is called king of fruits?
(a) Apple (b) Mango
(c) Organ (d) None of these
- Q.5.** What is used to make "Chapatti"?






(d) None of these

- Q.6.** Which is a vegetable?






(d) None of these

- Q.7.** Which plant does not have seeds?



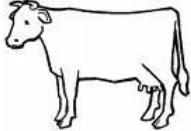
- (a) 
- (b) 
- (c) 
- (d) None of these

Q.8. Which plant is used to make clothes?
 (a) Neem tree (b) Cotton plant
 (c) Rose plant (d) None of these



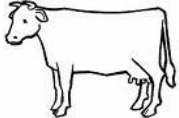
Q.9. **A. Column I** **Column II**

- 1.  (a) Tree
- 2.  (b) Shrub
- 3.  (c) Creeper




Q.10. Which is a water animal?

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



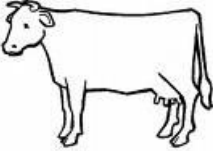
Q.11. Which is not a domestic animals?


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




Q.12. Tick the animal which lays eggs?

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

Q.13. Calf is the young one of

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


Q.14. Who lives in  (nest)

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

Q.15. What animals cannot do ?

- (a) Make food (b) Kill other animals
- (c) Carry loads (d) None of these

Q.16. Which bird can fly?

- (a) 
- (b) 



- (c)  (d) None of these

Q.17. Air has

- (a) Weight (b) Occupy space
(c) Both (d) None of these

Q.18. Air is of

- (a) White colour (b) Blue colour
(c) No colour (d) Black colour

Q.19. Which is true?

- (a) Wind mill runs by water
(b) Air is important to us
(c) Air and water are man made things
(d) None of these

Q.20. "Plants pollutes environment". The statement is

- (a) True (b) False
(c) Can't say (d) None of these

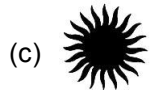
Q.21. Which is called Blue planet?



Earth



Moon



Sun

- (d) None of these

Q.22. We need _____ glasses of water per day.

- (a) 3-4 (b) 8-10
(c) 20-30 (d) None of these

Q.23. Cactus store water in

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

Q.24. When water vapour goes up it forms

- (a) Snow (b) Clouds
(c) Ice (d) None of these

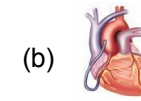
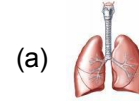
Q.25. Irrigation is

- (a) Sowing of seed (b) Watering the plants
(c) Cutting the plants (d) None of these

Q.26. Which part of body tells that the cup is hot?

- (a) Skin (b) Heart
(c) Lung (d) None of these

Q.27. Which part of the body helps us to think & remember?



- (d) None of these

Q.28. Children should take _____ for strong bones.

- (a) Fats (b) Calcium
(c) Proteins (d) None of these

Q.29. Our body is made up of

- (a) Bones (b) Muscles
(c) Both (d) None of these

Q.30. How many sense organs do we have?

- (a) 3 (b) 4
(c) 5 (d) None of these

Q.31. 'Our body is made up of cells' this is

- (a) True (b) false
(c) can't say (d) None of these

Q.32. Which of these help us the most while running?

- (a) Brain (b) Muscles
(c) Kidney (d) None of these

Q.33. 1.



- (a) Taste

2.



- (b) Touch

3.



- (c) See

4.




- (d) Hear


Q.34. We eat food when we are


- (a) Thirsty (b) Hungry
(c) Ill (d) None of these

Q.35. Which food helps make our body strong?

- (a) Eggs (b) Fish
(c) Both (d) None of these
- Q.36.** Carrot is a
(a) Fruit (b) Vegetable
(c) cereal (d) None of these
- Q.37.** Which is not true?
(a) Fruits should be washed before eating
(b) Chew the food completely
(c) Overeating makes you healthy
(d) None of these
- Q.38.** The cow gives us
(a) Potatoes (b) Milk
(c) Both (d) None of these
- Q.39.** While boarding in a bus we should
(a) Stand in a queue
(b) Force our way into the bus
(c) Board in a moving bus.
(d) None of these
- Q.40.** Children should play with
(a) Fire (b) Toys
(c) Sand (d) None of these
- Q.41.** Who do you think is a traffic inspector?
- 




(a)




(b)
- 

(c)


(d) None of these
- Q.42.** Plants make their food with the help of.
(a) Sunlight (b) Moonlight
(c) Animals (d) None of these
- Q.43.** Moon is _____ in size than earth.
(a) Smaller (b) Bigger
(c) Equal (d) None of these

- Q.44.** There are _____ planets in the solar system.
(a) 6 (b) 9
(c) 7 (d) None of these
- Q.45.**  The planet shown in figure is
(a) Sun (b) Earth
(c) Saturn (d) None of these
- Q.46.** Match the following
- | | |
|---------------------|-------------|
| 1. Blue planet | (a) Venus |
| 2. Red planet | (b) Jupiter |
| 3. Largest planet | (c) Mars |
| 4. Brightest planet | (d) Earth |
- Q.47.**  is used to see
(a) Tiny things (b) Large things
(c) Very large things (d) Sun
- Q.48.** Which part of your body is Red in colour?
(a) Tongue (b) Hair
(c) Eyes (d) Teeth
- Q.49.** When should you wash your hands ?
(a) Before eating (b) After eating
(c) After and Before Eating
(d) None of these
- Q.50.** Where do people live ?
- 


(a) Sun



(b) Moon



(c) Earth



(d) Stars
- ☺☺☺
- ANSWERS**
1. (a) 2. (d) 3. (d) 4. (b) 5. (a) 6. (c) 7. (b) 8. (b)
9. (a) 10. (b) 11. (d) 12. (c) 13. (c) 14. (b) 15. (a) 16. (c)
17. (c) 18. (c) 19. (b) 20. (b) 21. (a) 22. (b) 23. (a) 24. (b)
25. (b) 26. (a) 27. (c) 28. (b) 29. (c) 30. (c) 31. (a) 32. (b)
33. 1-c, 2-d, 3-b, 4-a 34. (b) 35. (c) 36. (b) 37. (c) 38. (b)
39. (a) 40. (b) 41. (a) 42. (a) 43. (a) 44. (b) 45. (c)
46. 1-d, 2-c, 3-b, 4-a 47. (a) 48. (a) 49. (c) 50. (c)
- ☺☺☺

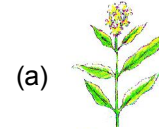
OBJECTIVE TYPE QUESTIONS

- Q.1.** Which part of the plant hold the plants firmly?
 (a) Root (b) Stem
 (c) Branches (d) None of these
- Q.2.** Among the four which have strongest stem?
 (a) Trees (b) Shrubs
 (c) Herbs (d) None of these
- Q.3.** Which plant need support to grow upwards?
 (a) Creepers (b) Climbers
 (c) Herbs (d) None of these
- Q.4.** Which tree gives us wood for furniture?
 (a) Teak (b) Rose
 (c) Mango (d) None of these
- Q.5.** Plants grow with the help of
 (a) Sunlight (b) Water
 (c) Air (d) All of these
- Q.6.** Mustard oil is obtained from which part of the plant?
 (a) Root (b) Stem
 (c) Seeds (d) None of these
- Q.7.** We eat food grain of
 (a) Rice (b) Maize
 (c) Both (d) None of these
- Q.8.** Grape vine is a
 (a) Shrub (b) Herb
 (c) Climber (d) None of these
- Q.9.** Plants show most of the movement during
 (a) Day time (b) Night time
 (c) Anytime (d) None of these
- Q.10.** Which fruit is called King of fruits?
 (a) Apple (b) Mango
 (c) Banana (d) None of these
- Q.11.** Which part of the plant is used for making perfumes?
 (a) Root (b) Flower
 (c) Leaf (d) None of these
- Q.12.** We get cotton fibres from
 (a) Cotton plant (b) Jute plant

Class - 2

9

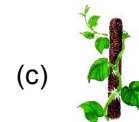
- (c) Any plant (d) None of these
- Q.13.** Fruit that is yellow in colour is
 (a) Watermelon (b) Banana
 (c) Litchi (d) None of these
- Q.14.** Which fruit contains seeds?
 (a) Pear (b) Cherries
 (c) Both (d) None of these
- Q.15.** Neem is used as a
 (a) Medicine (b) Perfume
 (c) Gum (d) None of these
- Q.16.** Which grows under the ground?
 (a) Apple (b) Grapevine
 (c) Groundnut (d) Peanut
- Q.17.** The stem of the trees is called
 (a) Big stem (b) Trunk
 (c) Belly (d) None of these
- Q.18.** Who lives the longest?
 (a) Herb (b) Shrub
 (c) Tree (d) Both (a) & (b)
- Q.19.** Which of the following is called creeper?



(a)




(b)





(c)

(d) None of these

- Q.20.** Food factory of plant is
 (a) Stem (b) Root
 (c) Leaves (d) None of these
- Q.21.** Which among the following is a dry fruit?
 (a) Rose (b) Banyan
 (c) Almond (d) None of these
- Q.22.** Which tree gives maximum shade?
 (a) Coconut (b) Banyan
 (c) Banana (d) Ashoka
- Q.23.** Plants
 (a) Purifies air (b) Cools the air
 (c) Both of these (d) None of these

- Q.24.** Which plant leaves you eat?
 (a) Carrot (b) Ginger
 (c) Cabbage (d) None of these
- Q.25.** Stem is source of food product in
 (a) Turnip (b) Sugarcane
 (c) Tomato (d) None of these
- Q.26.** Paper is made from
 (a) Rubber tree (b) Jasmine
 (c) Bamboo (d) None of these
- Q.27.** Plants do not give us
 (a) Medicines (b) Fibres
 (c) Perfumes (d) None of these
- Q.28.** From which of the following you get oil?
- 
 (a) coconut


 (b) sugarcane
- 
 (c) pea

(d) None of these
- Q.29.** Mark odd one out
 (a) Lotus (b) Jasmine
 (c) Rose (d) Quinine
- Q.30.** The part we eat in wheat plant is
 (a) Leaves (b) Grains
 (c) Roots (d) None of these
- Q.31.** Dried wood from trees is used as
 (a) Food (b) Fuel
 (c) Manure (d) None of these
- Q.32.** The plant which gives wood is
 (a) Money plant (b) Lily
 (c) Seesham (d) None of these
- Q.33.** Fibres not obtained from plants is
 (a) Cotton (b) Jute
 (c) Silk (d) None of these
- Q.34.** Cereals are
 (a) The part of plant which produces seeds
 (b) The edible grain used for food

- (c) The edible leaves of plants
 (d) None of these
- Q.35.** What is true?
 (a) Fruits develops from flowers
 (b) Seeds are found in fruits
 (c) We get gum from some plants
 (d) All of these

TRUE OR FALSE

Mark  if true and  if false

- Q.36.** Shrubs are smaller than trees.
- Q.37.** Plants are green.
- Q.38.** Sugarcane is a stem.
- Q.39.** Carrot is a vegetable.
- Q.40.** Plants help us in many ways.
- Q.41.** Animals feed on plants.
- Q.42.** Aquatic plants grow on land.
- Q.43.** Dry wood is used as a fuel.



MATCH THE FOLLOWING

- Q.44.**
- | | |
|--------------|-----------------------|
| (i) Rose | (a) single seed fruit |
| (ii) Pumpkin | (b) shrub |
| (iii) Mango | (c) creeper |
| (iv) Apple | (d) furniture |
| (v) Maize | (e) fruit |
| (vi) Wood | (f) food grain |



ANSWERS**Objective Type Questions**

1. (a) 2. (a) 3. (b) 4. (a) 5. (d) 6. (c) 7. (c) 8. (c)
9. (a) 10. (b) 11. (b) 12. (a) 13. (b) 14. (c) 15. (a) 16. (c)
17. (b) 18. (c) 19. (b) 20. (c) 21. (c) 22. (b) 23. (c) 24. (c)
25. (b) 26. (c) 27. (d) 28. (a) 29. (d) 30. (b) 31. (b) 32. (c)
33. (c) 34. (b) 35. (d)

True and False

36. (T) 37. (T) 38. (T) 39. (T) 40. (T) 41. (T) 42. (F) 43. (T)

Match the following

44. (i)-(b) (ii)-(c) (iii)-(a) (iv)-(e) (v)-(f) (vi)-(d)



NATIONWIDE INTERACTIVE SCIENCE OLYMPIAD (NISO) SAMPLE PAPER

Total duration : 40 Minutes

Total Marks : 25

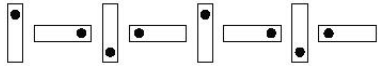
GENERAL I.Q.

1. What would be the next 3 numbers in this pattern?

9, 12, 15, 18, 21, 24, 27, _ , _ , _

- (a) 30, 33, 36 (b) 30, 32, 34
(c) 33, 36, 39 (d) 28, 29, 30

2. Look at this pattern of shapes.



Which of these shows the same kind of pattern?

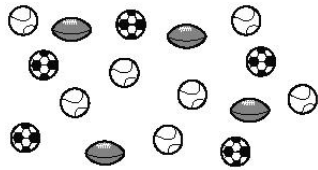
- (a) ↑→↑→↑→↑→ (b) ↑→↓←↑→↓←
(c) ↑→↓→↑→↓→ (d) ↑↓↑↓↑↓↑↓↑

3. Who is 14th in line from the pony?



- (a) (b) (c) (d)

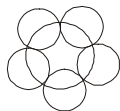
4. These are the game balls Coach Vikram used for games class.



How many footballs can you count in the above figure.

- (a) 3 (b) 4 (c) 5 (d) 6

5. How many circles are there in the figure?



- (a) 5 (b) 6 (c) 7 (d) 8

SCIENCE

6. Which of the following is a vegetable?

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

7. A calf is a baby of

- (a) (b) (c) (d)

8. Which bird can fly ?

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

9. What you get from plants ?

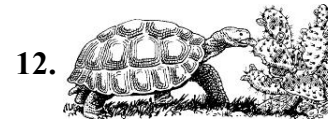
- (a) Cement (b) Wood (c) Steel (d) None of these

10. Which of the following group shows water animals ?

- (a) (b)
(c) (d)

11. Which picture shows the WINTER SEASON?

- (a) (b) (c) (d)



What protects this animal from enemies?

- (a) Thick legs (b) Long neck
(b) Large mouth (d) Thick shell

13. Which of the following is not a natural source of water ?

- (a) (b) (c) (d) None of these
River Rain Tap



14.




This picture shows

- (a) Water wastage
- (b) Water cycle
- (c) Carbon cycle
- (d) None of these

15. What should we eat daily ?

- (a) Chocolate, Ice Cream, Chapattis
- (b) Fruits, Vegetables, Milk
- (c) Chocolate, Fruits, Milk
- (d) None of these

16. Which of the following is found under the ground?

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

17. Which is true ?

- (a) A bird has three legs
- (b) Dog is the fastest animal
- (c) Sheep gives us wool
- (d) None of these

18. Which is a wild animal?

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

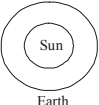
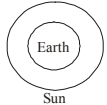
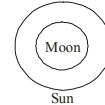
19. What you get from plants?

- (a) Silk
- (b) Wool
- (c) Cotton
- (d) None of these

20. What will reduce pollution ?

- (a) Too much traffic
- (b) Planting trees
- (c) Storing garbages
- (d) None of these





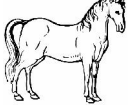



21. Which picture is correct?

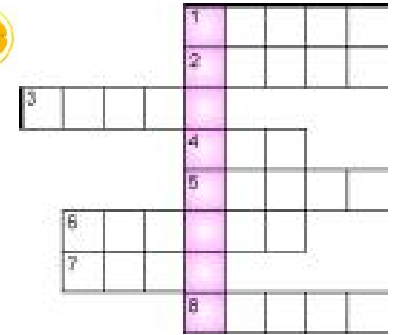
- (a) 
- (b) 
- (c) 
- (d) None of these

22. Seed stores food for the





- (a) Fruit
- (b) Leaves
- (c) Baby plant
- (d) None of these

INTERACTIVE ACTIVITY : Fill the names of the fruits and animals shown below in the crossword and find out the hidden creatures in the shaded boxes.

- 1. 
- 2. 
- 3. 
- 4. 
- 5. 
- 6. 
- 7. 
- 8. 






23. What is the hidden creature?

- (a) 
- (b) 
- (c) 
- (d) 

24. Hidden creature is a/an

- (a) Plant
- (b) Animal
- (c) Bird
- (d) None of these

25. It is lighter than

- (a)  Whale
- (b)  Cow
- (c)  Mango tree
- (d) None of these

☺ END OF THE EXAM ☺

ANSWERS

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

