



**UNICUS
OLYMPIADS**

#UnicusIsUnique

Sample Paper



Class 3

Unicus Science Olympiad (USO)

Time: 60 minutes

| Pattern and Marking Scheme | | | |
|----------------------------|-----------------|--------------------|-------------|
| Section | Total Questions | Marks per Question | Total Marks |
| Classic Section | 30 | 1 | 30 |
| Scholar Section | 10 | 2 | 20 |
| Grand Total | 40 | | 50 |

Classic Section (Each Question is 1 Mark)

1. What does sweet potato and carrot have in common?

They are both:

- food storage organs
- underground stems
- underground roots

- a. Only (i)

- c. Both (i) and (ii)

- b. Only (ii)

- d. Both (i) and (iii)

2. Jack saw many animals in the zoo. But he forgets their names when talking about them to his mother. Identify the animal that has no hands or legs and only crawls:



- a. Tortoise

- c. Deer

- b. Snake

- d. Owl

- 3. Consider the following clues and identify the animal:**

Clue 1: I eat vegetables and bones.

Clue 2: I live in a kennel.

Clue 3: I guard your home.

Clue 4: I say bow-bow.

- a. Cat

- c. Rabbit

- b. Dog

- d. Cow

4. Which of the following plants is a herb?



- a. Only A

- c. Only C

- b. Only B

- d. All of these

5. Observe the picture shown below and answer the following question.
Unscramble and identify the sense organ that is required by the girl to smell the flower:



- a. SONE b. RAE
c. YEE d. GNTOEU

6. For thousands of years, people have enjoyed looking at these stars. In the figure given below, stars, joined together to get the shape of a large dipper. It is found in which of the following constellations?



- a. Taurus b. Ursa Major
c. Scorpius d. Capricorn

7. The plant "X" yields cooking oil as well as spice. Which of the following represents X?



Coriander



Clove



Mustard



Ginger

8. Which of the following statements is incorrect?

- a. The topsoil is good for plant growth.
 - b. Soil contains many living things.
 - c. Erosion is good for the soil.
 - d. The topsoil contains humus.
-

9. Read the statements below and identify the wrong ones correctly:

- 1. We should always wash our hands before and after meals.
- 2. We should rinse our mouths only once every day.
- 3. We should eat uncovered food.
- 4. We should exercise regularly and take proper rest.

- a. 2 and 3
 - b. 1 and 2
 - c. 3 and 4
 - d. 2 and 4
-

10. Peter poured water into a glass from a jug as shown in the picture.
Which property of water can be inferred from this activity?



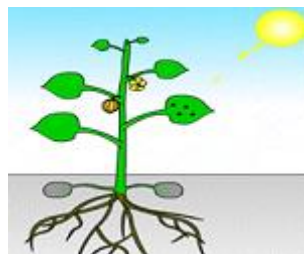
- a. Water has no weight.
 - b. Water takes the shape of its container.
 - c. Water does not flow.
 - d. Water is found everywhere.
-

11. Look at the pictures given below and identify the fibre used to make such an item:



- a. Jute
 - b. Wool
 - c. Cotton
 - d. Silk
-

12. Which of the following is not a raw material of the photosynthesis process?



- a. Carbon dioxide
 - b. Water
 - c. Oxygen
 - d. Sunlight
-

13. Study the given combination. Which amongst these can be 'X'?

| |
|------------------------------|
| Beetroot: Root:: Broccoli: X |
|------------------------------|

- | | |
|----------|-----------|
| a. Root | b. Stem |
| c. Fruit | d. Flower |
-

14. Identify the CORRECT statement related to the occupations of people:

- a. Chemist sells medicines.
 - b. Plumber builds houses with cement and bricks.
 - c. Baker serves food in a restaurant.
 - d. Cobbler cleans the toilet and sweeps the floor.
-

15. Identify the INCORRECT statement related to the planets in our solar system:

- a. The planet Earth is the third planet from the Sun.
 - b. Neptune is also called the morning star.
 - c. Mercury does not have any natural satellites.
 - d. Jupiter is the fastest-spinning planet in our solar system.
-

16. Monica's brother is studying in Australia. Monica, who lives in India, wants to inform him about her result. Which of the following means of communication should she use?

- | | |
|---------------|--------------|
| a. Newspaper | b. Radio |
| c. Television | d. Telephone |
-

17. Which of the following is a road safety measure?

- a. Ignoring the traffic signal while driving.
 - b. Walking on the road instead of a pedestrian lane.
 - c. Crossing the road when the traffic light is yellow.
 - d. Wearing a safety helmet while riding a motorcycle.
-

18. Four students were discussing good habits and safety rules. They made the following statements:

Kate: We should not play in the middle of the road.

Tim: It is dangerous to play with fire.

Peter: It is not dangerous to play with broken glass.

Joseph: We should be careful while using sharp blades.

Which of them made the incorrect statement?

- | | |
|----------|-----------|
| a. Kate | b. Tim |
| c. Peter | d. Joseph |
-

19. Which of the following statements is/are correct?

- a. A postal van carries letters and parcels from one post office to another.
 - b. An ambulance carries sick or injured people to the hospital.
 - c. Camels are used in the forest and elephants are used in the desert for transport.
 - d. Both a and b
-

20. Consider the following statements and choose the correct option:

Statement A: A stilt house is made of marble.

Statement B: A tent is made of rocks.

- a. Statement A is correct and statement B is wrong.
 - b. Statement B is correct and statement A is wrong.
 - c. Both statements are correct.
 - d. Both statements are wrong.
-

21. Read the list of the animals given below and answer the question that follows:

Fox, Frog, Mouse, Elephant, Lizard, Duck, Camel, Crow, Pig, Pigeon, Cow, Giraffe, Zebra

Which of the animals in the list give birth to babies?

- a. Fox, Frog, Lizard, Mouse
 - b. Duck, Peacock, Camel, Crow
 - c. Fox, Elephant, Camel, Pig
 - d. Cow, Pigeon, Zebra, Giraffe
-

22. Which of the following functions is NOT performed by plant roots?

- | | |
|-----------------------------|---------------------------------|
| a. Take water from the soil | b. Carry minerals from the soil |
| c. Prepare food | d. Anchor the plant |
-

23. James immediately pulls his hands back when he touches a hot glass. Which of the following characteristics of the living organism is shown by this reaction?

- | | |
|-----------------|------------------|
| a. Reproduction | b. Reflex action |
| c. Breathing | d. Growth |
-

24. Which three things do animals need from their environment to survive?

- | | |
|-------------------------|--------------------------|
| a. Soil, water and food | b. Soil, light and water |
| c. Air, food and water | d. Air, water and light |
-

25. What should be the correct sequence?

- A. We use oxygen from the air to breathe.
- B. Plants give out oxygen while preparing their food.
- C. Oxygen gets mixed with air.

- | | |
|----------|----------|
| a. A→B→C | b. A→C→B |
| c. B→A→C | d. B→C→A |
-

26. Read the sentences and choose the correct option:

- A. Plants prepare their food.
- B. Living things can't breathe.
- C. A table can reproduce.
- D. The food we eat helps us to grow.

- a. A – True, B – True, C – True, d – True
 - b. A – False, B – False, C – False, D – False
 - c. A – True, B – False, C – False, D – True
 - d. A – True, B – False, C – True, D – False
-

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27. Consider the following things and answer the question that follows:

Car, stone, towel, wall, fish, plants, door, kitten, cow, spoon, clothes, road, pen, bell
How many non-living things are there?

- a. 9
- b. 10
- c. 8
- d. 11

28. A prairie dog living in a community barks loudly. Other prairies nearby know that the danger is near and quickly go underground to hide. Which sense are these prairie dogs using to communicate?

- a. Hearing
- b. Smelling
- c. Tasting
- d. Touching

29. Henry wants to go to the nearby market to purchase milk. Which of the following should he use to cover this short distance without polluting the environment?



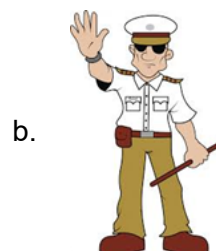
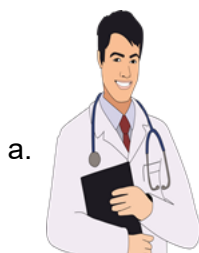
30. In sugarcane plants, the extra food is stored in which of the following parts?



- a. Air has mass.
- b. Air exerts pressure.
- c. Air does not have weight.
- d. All of the above

Scholar Section (Each Question is 2 Marks)

31. Ron was having high fever. His mother checked his temperature using a thermometer, it came out to be around 102°F. Whom he should consult for treatment?



c.



d.



32. A woodpecker has a strong, hard and heavy, chisel-like beak. What does the woodpecker use its beak for?



- a. To make holes in the tree trunk
c. To suck the nectar from flowers

- b. To peck the ground for insects
d. To crush hard nuts and grains

33. Read the following clues and identify the house:

Clue 1: I am a house found in places where it rains a lot.

Clue 2: The ground is mostly covered with water.

Clue 3: I am made of wooden logs.

- a. Canvas
c. Houseboat

- b. Tent
d. Stilt

34. Which of the following sentences are INCORRECT?

1. The longest bone in our body is our thigh bone.
2. The digestive system starts from the food pipe.
3. All actions of the human body are controlled by the lungs.
4. The largest sense organ in our body is skin.

- a. 1 and 4
c. 2 and 3

- b. 3 and 4
d. 1 and 2

35. Which of the following are good sources of roughage?

a.



b.



c.



d.



36. Which of these is a non-verbal way of communicating with people?

1. Singing a song to a baby
2. Folding both hands to welcome
3. Two people discussing a social issue
4. Reading newspaper loudly

- a. Both 1 and 2
c. Only 1

- b. Both 3 and 4
d. Only 2
-

37. Choose the correct option:

1. If the clothes of a person catch fire, cover the patient with a jute mat.
2. The fire extinguisher cylinder contains carbon dioxide in liquid form.
3. A dentist looks after bone injuries.

- a. 1 – True; 2 – True, 3 – True;
c. 1 – False, 2 – True, 3 – False

- b. 1 – False, 2 – False, 3 – False
d. 1 – True, 2 – False, 3 – True
-

38. Read the passage given below and answer the question that follows:

Geology is the study of rocks that form the planet's surface. The scientists who study rocks are called geologists. Geologists examine rock to find out about the history of the earth and how the earth was formed. Rocks are dated using several methods. Geologists study the distribution and order of rock layers or strata. The youngest rocks are usually found in layers near the earth's surface. However, older rocks lie deeper in the earth's surface.

Where are the youngest rocks usually found on the earth?

- a. Lie deeper in the earth's surface
 - b. Found in the ocean surface
 - c. Found in a layer near the earth's surface
 - d. None of the above
-

39. In which environment would a white rabbit be best protected from predators?



- a. A shady forest
c. A grassy lawn

- b. A snowy field
d. A muddy riverbank
-

40. Maria heated a tin can filled with water such that the entire water inside it was converted into steam. Then she tied a tight cork on the mouth of the tin can and stopped the heating and poured cold water on the hot tin can. She noticed that the tin can collapsed inwards. What do we infer from this activity?



- a. Air has mass
c. Air does not have weight

- b. Air exerts pressure
d. All of the above
-

Answer Key

| | | | | | | | | | | | | | |
|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|
| 1. | d | 2. | b | 3. | b | 4. | d | 5. | a | 6. | b | 7. | c |
| 8. | c | 9. | a | 10. | b | 11. | a | 12. | c | 13. | d | 14. | a |
| 15. | b | 16. | d | 17. | d | 18. | c | 19. | d | 20. | d | 21. | c |
| 22. | c | 23. | b | 24. | c | 25. | d | 26. | c | 27. | b | 28. | a |
| 29. | c | 30. | b | 31. | a | 32. | a | 33. | d | 34. | c | 35. | c |
| 36. | d | 37. | c | 38. | c | 39. | b | 40. | b | | | | |