



**UNICUS
OLYMPIADS**

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Sample Paper



Class 1

Unicus Global Science Olympiad (UGSO)

Time: 60 minutes

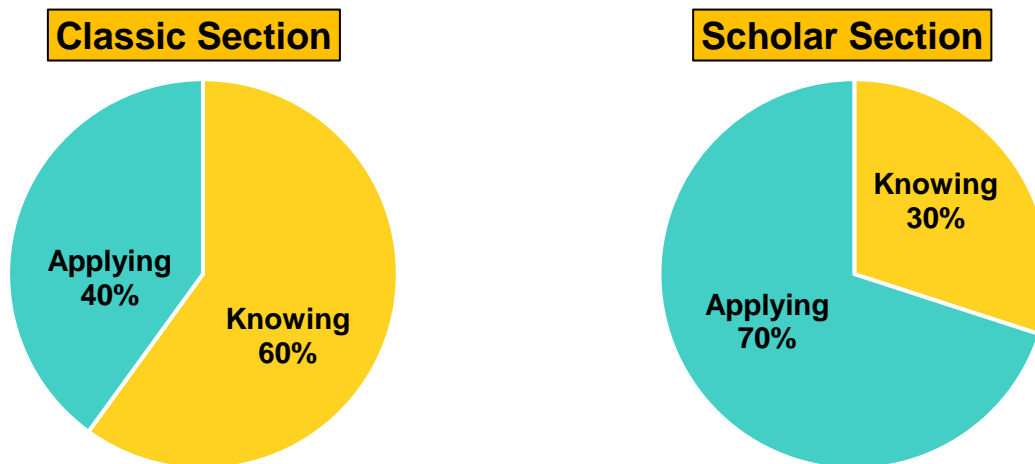
Pattern and Marking Scheme			
Section	Total Questions	Marks per Question	Total Marks
Classic Section	20	1	20
Scholar Section	10	2	20
Grand Total	30		40

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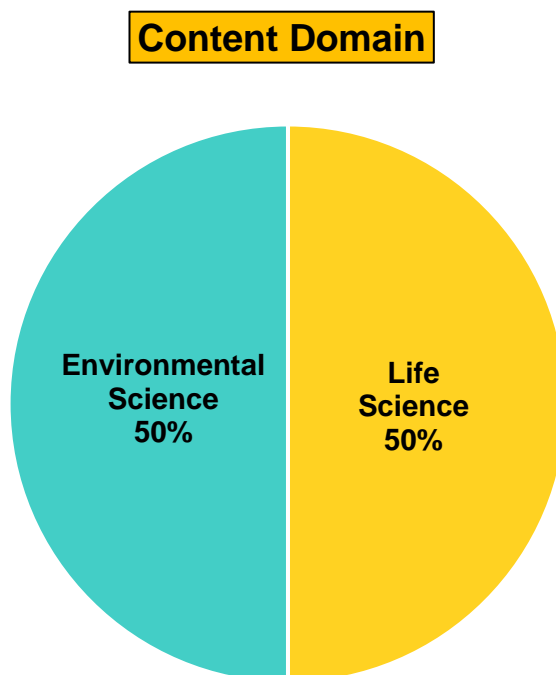
The **Unicus Global Olympiad** is organised around two dimensions:

1. Content dimension, specifying the subject matter domains to be assessed
2. Cognitive dimension, specifying the thinking processes to be assessed

Target percentages of the question paper devoted to cognitive domains



Target percentages of the question paper devoted to content domains



For more details, visit <https://www.unicusolympiads.com/>.

Classic Section (Each Question is 1 Mark)

Cognitive Domain: Knowing

Content Domain: Life Science

1. Unscramble the letters to find the name of the animal that uses its trunk to drink water:

a. NHETAELP

b. NEKMYO

c. BTBRIA

Cognitive Domain: Knowing

Content Domain: Life Science

2. While watching an animated movie, Cathy observed a group of lions resting under the shade of a tree.

What do you call a group of lions?



a. flock

b. pride

c. herd

Cognitive Domain: Applying

Content Domain: Life Science

3. Joey has a fish tank. After two months of summer vacation, he came back and observed that both the fish died but the stones were intact and the same.

Why do you think the fishes died but nothing happened to the stones?



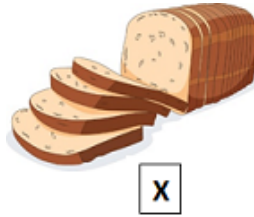
a. The fish died because they were sad.

b. Fishes need food and water to live whereas stones don't need as they are non-living things.

c. The stones killed the fishes.

Cognitive Domain: Knowing	Content Domain: Life Science
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4. Look at the image given below.
Select the correct option that belongs to the same food group as 'X':



Cognitive Domain: Applying	Content Domain: Life Science
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5. Read the given clues and answer the question that follows:
Clue 1: I am a vegetable good for your eyes.
Clue 2: I help you see in the dark.
Clue 3: I am a protective food.
Unscramble and identify the name of the vegetable:

- a. GBABCEA b. BUMUCRCE c. TORACR

Cognitive Domain: Applying	Content Domain: Environmental Science
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6. Study the given flow chart carefully.
Identify 'Z':



- a. Townhouse b. Caravan c. Lighthouse

Cognitive Domain: Applying	Content Domain: Environmental Science
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7. Read the clues given below and identify the fibre:
Clue I: I am obtained from natural plants.
Clue II: I am the most suitable summer clothing.
Clue III: Clothes made from me are light weight.
Who am I?

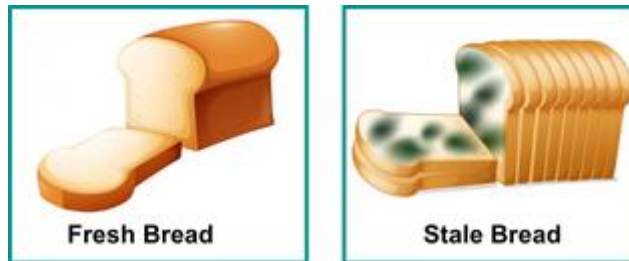
- a. Wool b. Silk c. Cotton

Cognitive Domain: Applying

Content Domain: Life Science

8. Mrs Adam has a loaf of fresh bread and a piece of stale bread kept on her dining table. The fresh bread smelt good while the stale bread gave a bad smell and she saw it had dark spots on it.

Which two sense organs did Mrs Adam use to describe the stale bread?

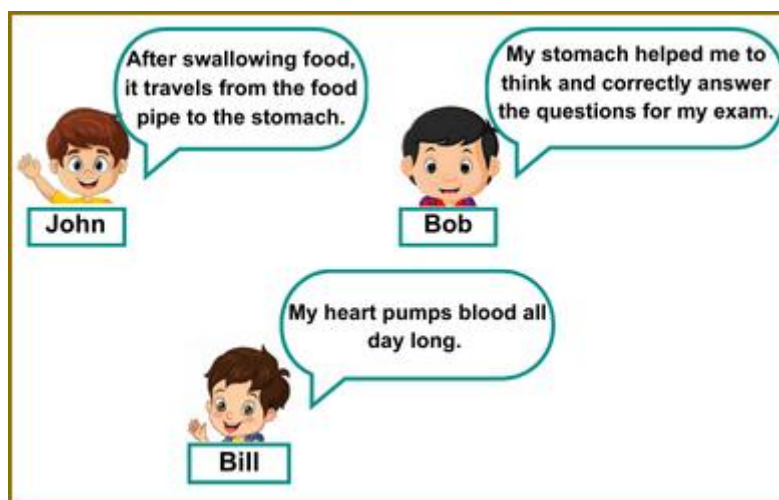


- a. tongue and ears b. skin and ears c. nose and eyes

Cognitive Domain: Applying

Content Domain: Life Science

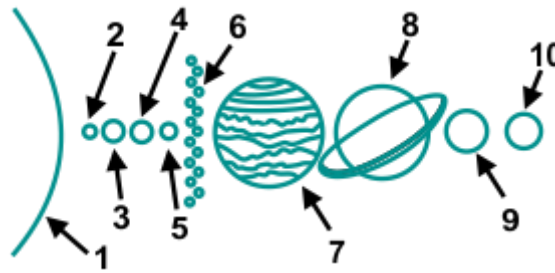
9. Three students gave the following statements in a classroom discussion. Which student(s) made INCORRECT statement(s)?



- a. John and Bill b. Bob and Bill c. Only Bob

Cognitive Domain: Knowing	Content Domain: Environmental Science
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10. Dorothy saw a picture of the solar system as given below.
Can you help Dorothy identify which of the following labelled parts is also known as the 'morning star'?



- a. part labelled 3 b. part labelled 8 c. part labelled 7

Cognitive Domain: Applying	Content Domain: Environmental Science
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11. Tom came across a word grid in his science book.
Which of the following objects is hidden in the given word grid?

P	L	U	T	O	J
M	F	G	H	J	K
A	L	P	I	E	W
R	Q	E	X	C	V
S	T	A	R	S	O
G	B	N	H	I	Y

- a. Heavenly bodies that orbit around a star.
b. These are the celestial objects that shine brightly in the night sky.
c. It is the third planet from the sun and receives enough sunlight for life to exist.

Cognitive Domain: Knowing	Content Domain: Environmental Science
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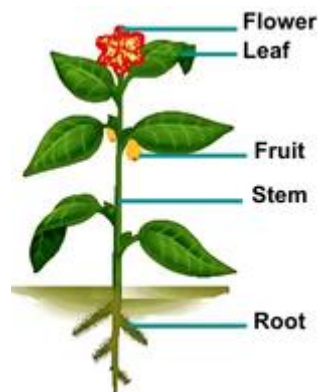
12. Donald was feeling hungry and wanted to eat some delicious food.
Which building can he visit to buy food to eat?
Unscramble the letters given below to find the answer:

- a. STURRAEATN b. NKBA c. OLOHCS

Cognitive Domain: Knowing

Content Domain: Life Science

13. Nathan's teacher tells him that plants have different parts that serve specific functions. She asks him which part of the plant helps to support the plant and hold it upright. What should Nathan's answer be?

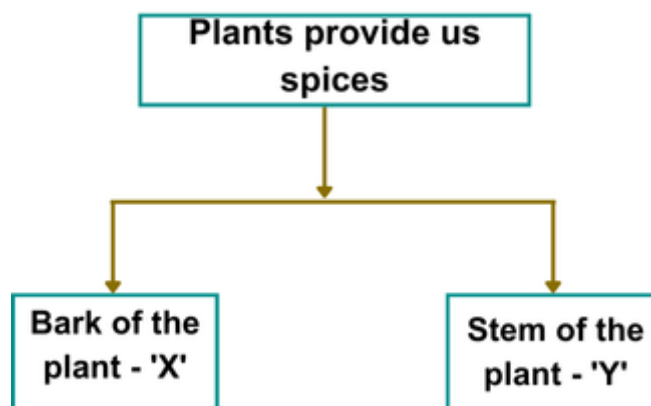


- a. stem b. root c. leaf

Cognitive Domain: Knowing

Content Domain: Life Science

14. Study the given flow chart and select the correct option that correctly fills 'X' and 'Y':



- a. X - Cinnamon, Y - Turmeric
 b. X - Clove, Y - Cardamom
 c. X - Pepper, Y - Cumin

Cognitive Domain: Knowing

Content Domain: Environmental Science

15. David's father was driving his car and he noticed an ambulance with flashing lights approaching from behind while driving in the heavy traffic. What is the appropriate action David's father should take?



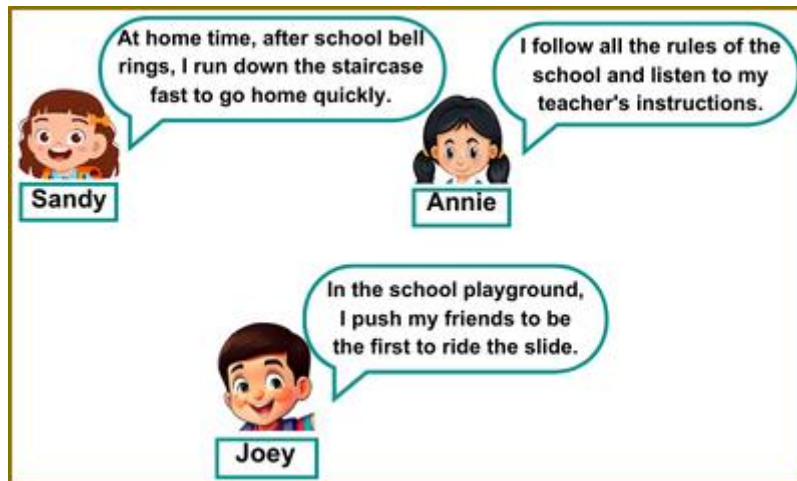
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- Move to the side of the road and allow the emergency vehicle to pass.
- Continue driving at the same speed and let the emergency vehicle find its way.
- Keep honking and speed up in the traffic.

Cognitive Domain: Applying

Content Domain: Environmental Science

16. Three students made the following statements during a classroom debate
Which student(s) made the INCORRECT statement(s)?



- Only Annie
- Both Sandy and Annie
- Both Sandy and Joey

Cognitive Domain: Knowing

Content Domain: Environmental Science

17. Consider the following statements:

Henry: If a plant is kept inside a closed jar, it will stop growing after a few days due to lack of air.

Leo: The pinwheel blades can move without the presence of air.

James: Birds would not fly easily if there was no air.

Who is correct?

- Both Henry and James
- Both Leo and James
- Only Leo

Cognitive Domain: Knowing

Content Domain: Environmental Science

18. Refer to the given conversation and answer the following question:

Caleb - "Come on Alex, we are going abroad to meet grandma on her 70th birthday."

Alex - "Ok Caleb, let me pack my suitcase."

What mode of transportation will Caleb and Alex use for international travel?

a.



b.



c.



Cognitive Domain: Knowing

Content Domain: Environmental Science

19. Gregory lost his eyesight in childhood. He loves to play cricket and he keeps track of all cricket matches.
Which of the following means of communication will help Gregory to know about the latest cricket match happening around the world?

a.



b.



c.



Cognitive Domain: Knowing

Content Domain: Environmental Science

20. Veronica was reading today's weather forecast as given below.

Fill in the blanks and select the correct option:

'We can expect a mix of sun and clouds throughout the day. Outdoor activities will be fun during the daytime but by evening, storm is expected with ___ sky and ___. Make sure to carry your umbrellas.'

a. cloudy, rain

b. sunny, fog

c. snowy, mist

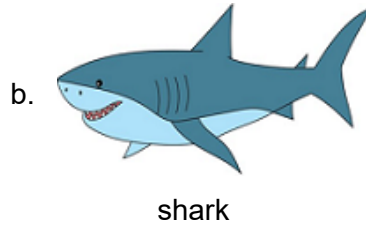
Scholar Section (Each Question is 2 Marks)

Cognitive Domain: Applying

Content Domain: Life Science

21. Study the given combination. Which amongst these can be 'Z'?

Carnivore : Snake :: Omnivore : Z



Cognitive Domain: Knowing

Content Domain: Life Science

22. Sam saw a bird pulling out an insect from the ground.
What characteristic of living things does this show?

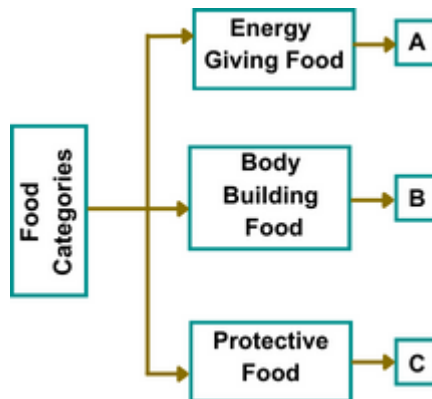


- a. Living things need food. b. Living things grow. c. Living things move.

Cognitive Domain: Applying

Content Domain: Life Science

23. Joey was learning about different categories of food in his class.
He came across a flowchart in a worksheet.
Read the flowchart and help Joey identify A, B and C correctly from the options given below:



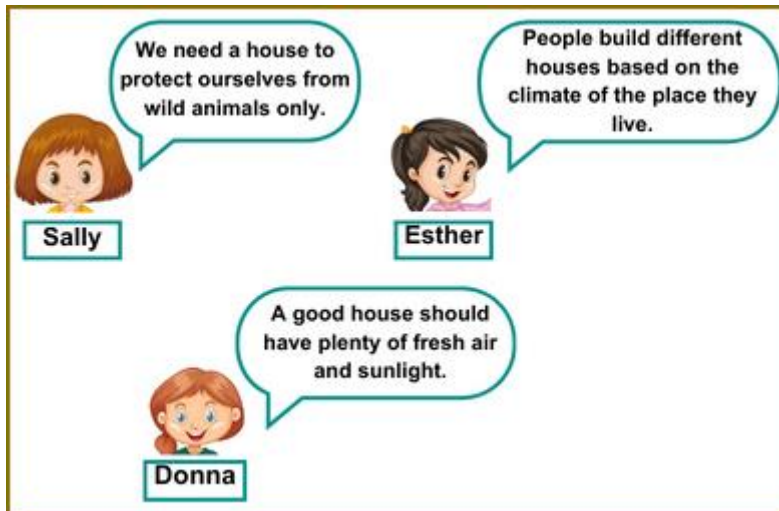
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- a. B could be yogurt while C could be broccoli.
- b. A could be cheese while B could be spinach.
- c. A could be brinjal while C could be spaghetti.

Cognitive Domain: Knowing

Content Domain: Environmental Science

24. Three students gave the following statements about houses during a debate.
Which student(s) made the INCORRECT statement(s)?



- a. Sally
- b. Esther
- c. Donna and Sally

Cognitive Domain: Applying

Content Domain: Life Science

25. Unscramble the given letters to obtain the name of one of the five senses:
Also, select the correct statement regarding it:

H T S G I

- a. It helps us to identify a red tomato from a box full of yellow lemons.
- b. It helps us to tell the difference between hot coffee and cold milk.
- c. It helps us to tell the difference between soft music and loud sound made by the drilling machine.

Cognitive Domain: Applying

Content Domain: Environmental Science

26. The given word grid has the names of different community helpers hidden in it.
How many community helpers are there who
- a. sell things?
 - b. helps us when we are sick?

R	Q	B	F	P	Y	P	D
G	W	A	A	L	E	O	O
F	E	K	R	K	S	T	C
C	H	E	M	I	S	T	T
I	T	R	E	N	X	E	O
N	U	R	S	E	A	R	R

- a. a – two, b – one b. a – one, b – two c. a – two, b – three

Cognitive Domain: Applying

Content Domain: Life Science

27. Study the given pattern and select the correct option with the same pattern:



- a. Cilantro :: Birch b. Lemon :: Rosemary c. Grapevine :: Kiwi

Cognitive Domain: Knowing

Content Domain: Life Science

28. Match the following and select the correct option:

	Plant products		We get it from
1.	Oil	A.	Dried flower bud of clove
2.	Cocoa	B.	Juice of sugar cane
3.	Jaggery	C.	Flowers of chamomile
4.	Toothpaste	D.	Seeds of a cacao tree

- a. 1 - C, 2 - D, 3 - B, 4 - A b. 1 - A, 2 - B, 3 - C, 4 - D c. 1 - C, 2 - A, 3 - D, 4 - B

Cognitive Domain: Applying

Content Domain: Environmental Science

29. Daniel had a cut on his forearm while playing in the park as he accidentally touched a sharp edge of the railing.

His friend advised him first aid but in a jumbled sequence.

Can you help Daniel with the correct sequence?

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- 1 - apply antiseptic lotion
- 2 - wash the injured area with cold water
- 3 - cover the wound with a bandage
- 4 - cut the required bandage from the roll

a. 4, 3, 2, 1

b. 1, 2, 3, 4

c. 2, 1, 4, 3

Cognitive Domain: Applying

Content Domain: Environmental Science

30. David was studying about different properties of air in class. He learned that air has weight. How will he prove that air has weight even though it is colourless and invisible?

a.



By throwing stones in the air and catching them

b.



By weighing one balloon filled with air and the other without air

c.



By touching the air

Answer Key

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