



# UNICUS OLYMPIADS

## Sample Paper (2020-21)

**Class 4**

**Unicus Science Olympiad**



<b>Section – Class*</b> <small>*Syllabus covered</small>	<b>Total Questions</b>	<b>Marks per Questions</b>	<b>Total Questions</b>
Classic Section – Class 3	23	1	23
Classic Section – Class 2	7	1	7
Scholar Section – Class 3	7	2	14
Scholar Section – Class 2	3	2	6
<b>Grand Total</b>	<b>40</b>		<b>50</b>

1. Identify the characteristic features of plants found in mountains:  
What is common between the food items shown below?

1. Trees are tall, straight and thin.
2. Photosynthesis is carried out by their stems.
3. Leaves have a waxy coating.
4. Leaves are narrow and ribbon like.
5. The trees are conical in shape.

- a) 1 and 2 only  
c) 2, 3 and 4

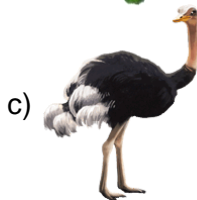
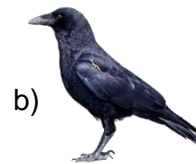
- b) 1, 3 and 4  
d) 1, 3, 4 and 5

**Correct Answer: d**

*1 Mark*

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2. While most of the birds have three or four toes, which species has only two toes on each foot?



**Correct Answer: c**

*1 Mark*

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3. Observe the picture of the digestive tract as shown below and answer the following question:  
Which organ of the digestive tract is the center where food mixes with juice secreted by pancreas and liver and also changes into fine particles which can be easily absorbed?



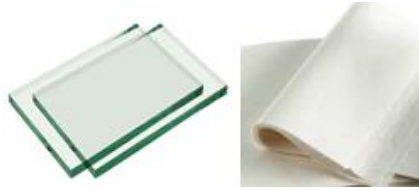
- a) Stomach  
c) Small intestine

- b) Large intestine  
d) Liver

**Correct Answer: c**

*1 Mark*

4. What is the main difference between a clear glass and a butter paper?



- a) Clear glass allows the light to pass through it partially whereas butter paper allows the light to pass through it completely
- b) Clear glass allows light to pass through it completely whereas butter paper allows the light to pass through it partially.
- c) Clear glass does not allow the light to pass through it at all whereas butter paper allows the light to pass through it completely.
- d) Clear glass allows the light to pass through it partially whereas butter paper does not allow light to pass through it at all.

**Correct Answer: b**

*1 Mark*

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5. Savita wrote two statements on the blackboard about types of forces:

- 1. Rough surfaces like stoned road and carpet flooring has less friction compared to smooth surfaces.
- 2. Gravity is the force with which objects are pulled downwards towards the center of the earth.

Choose the correct option about the above two statements

- a) Statement 1 is correct but statement 2 is incorrect
- b) Statement 2 is correct but statement 1 is incorrect
- c) Both the statements are correct
- d) Both the statements are incorrect

**Correct Answer: b**

*1 Mark*

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6. Read the passage given below:

Like carbohydrates, Z also provides energy for the body. They act as a reserve of energy when carbohydrates are not available. They help to keep the body warm by maintaining proper body temperature.

Identify Z:

- a) Proteins
- b) Fats
- c) Roughage
- d) Vitamins

**Correct Answer: a**

*1 Mark*

7. People use various means of transport to travel from one place to another whether short distance or far. Which of the following cannot be used by people to travel from one place to another?



**Correct Answer: a**

*1 Mark*

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

Statement 1: Sound doesn't need a medium to travel.

Statement 2: The speed of sound is greater in liquids than in solids.

- a) Statement 1 is correct but statement 2 is incorrect.  
b) Statement 1 is incorrect but statement 2 is correct.  
c) Both the statements are correct.  
d) Both the statements are incorrect.

**Correct Answer: d**

*1 Mark*

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9. Four students made the following statements:

Sanjeev: We should not run around the benches in classroom.

Deepika: We should not play with electric wires; sharp objects like scissors, knives and blades.

Tina: We should always throw garbage on roads.

Kartik: We should never cover our mouth and nose while sneezing, coughing or yawning.

Who among the above students is/are following the good habits and safety rules?

- a) Sanjeev only  
b) Deepika only  
c) Both Tina and Kartik  
d) Both Sanjeev and Deepika

**Correct Answer: d**

*2 Marks*

10. Match the following and choose the correct option:

**Column I**

1. Plant fibre
2. Animal fibre
3. Synthetic fibre
4. King of fibres

**Column II**

- p. Cotton
- q. Nylon
- r. Linen
- s. Silk

- a) 1 - r, 2 - s, 3 - q, 4 - p
- c) 1 - p, 2 - s, 3 - q, 4 - r

- b) 1 - s, 2 - r, 3 - q, 4 - p
- d) 1 - q, 2 - s, 3 - r, 4 - p

**Correct Answer: c**

*2 Marks*

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