



UNICUS OLYMPIADS

Sample Paper (2020-21)

Class 5

Unicus Science Olympiad



Section – Class* <small>*Syllabus covered</small>	Total Questions	Marks per Questions	Total Questions
Classic Section – Class 4	23	1	23
Classic Section – Class 3	7	1	7
Scholar Section – Class 4	7	2	14
Scholar Section – Class 3	3	2	6
Grand Total	40		50

1. Which of the following is/are the correct match?

X: Underwater plants - Tape grass and Seaweed

Y: Floating plants – Rose and Water hyacinth

Z: Fixed aquatic plants - Water lily and Lotus

a) Only X

b) Only Y

c) Both Y and Z

d) Both X and Z

Correct Answer: d

1 Mark

2. Suhana gobbled down her food quickly and did not chew her food well. Identify the part of her digestive system which will have to work harder to digest the food:

a) Stomach and Large intestine

b) Gullet and Stomach

c) Stomach and Small intestine

d) Kidney and Small intestine

Correct Answer: c

1 Mark

3. The table given below shows the different states of matter, their properties and examples. Choose the correct option:

State of Matter	Properties	Example
P	Has a definite shape and volume	Chair
Liquid	Has a definite volume	Q
R	Has no definite shape or volume	S

a) P – Solid, Q – Kerosene, S – Water

b) Q – Carbon dioxide, R – Gas, S – Water

c) P – Solid, Q – Petrol, S – Oxygen

d) Q - Book, R – Solid, S – Hydrogen

Correct Answer: c

1 Mark

4. In which of the following cases, a pushing force is observed?

1. Closing the door of a cupboard.
2. Opening the drawer.
3. Lifting the shopping bag from the floor.
4. Leaves falling from the tree

a) Only 1

b) Only 2

c) Both 2 and 3

d) 1, 3 and 4

Correct Answer: a

1 Mark

5. Read the following clues about an animal 'X':

Clue 1: The special adaption of this animal to digest cellulose is unique.

Clue 2: It has a large sac between large intestine and small intestine in which cellulose is digested by the action of certain bacteria.

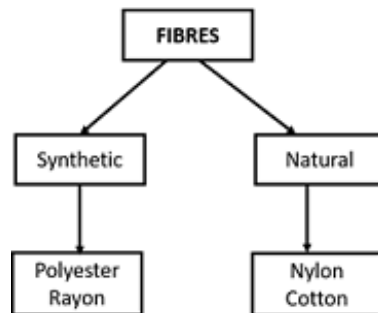
Identify 'X':



Correct Answer: a

1 Mark

6. Which of the following fibre is grouped wrongly in the flow chart given below?



a) Polyester

b) Rayon

c) Nylon

d) Cotton

Correct Answer: c

1 Mark

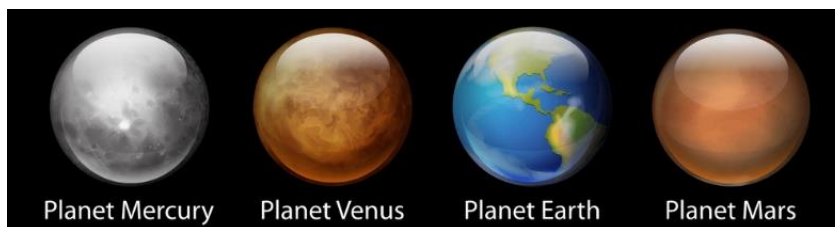
7. Deepika wants to travel from Mumbai to London in the shortest possible time, which of the following modes of transport should she choose?

- a) Ship
b) Aeroplane
c) Train
d) Car

Correct Answer: b

1 Mark

8. Consider the following statements about the planets shown above and choose the correct option:



1. These planets are called inner planets.
 2. They are made up of rock and iron.
 3. Mercury and Venus are the only planets without moons.
 4. These planets are very cold and contain frozen gases.
- a) Only 1 is correct.
b) Only 4 is correct.
c) Only 2 and 3 are correct.
d) 1, 2 and 3 are correct.

Correct Answer: d

1 Mark

9. Match the birds in column I with the type of food they eat in column II and select the correct option:

Column I (Birds)

1. Swallow
2. Sparrow
3. Parrot
4. Sunbird

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

Column II (Food eaten by them)

- p. Grains and seeds
- q. Tiny insects
- r. Nectar from flowers
- s. Seeds, nuts and fruits

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

Correct Answer: a

2 Marks

10. Read the following statements and choose the correct option:



Statement 1: A boy pushing against a wall does no work.

Statement 2: Work is said to be done, when an object moves (displaces) along the direction of application of force.

- 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 and statement 2 is the correct explanation of statement 1
- d) Both the statements are correct and statement 2 is not the correct explanation of statement 1

Correct Answer: c

2 Marks
