

## Science Olympiad Level 2

Total Marks: 40

### Q1. Cross the odd one out.

(5 mks)

1. Parts of the plant – leaf, root, flower, **soap**, fruit
2. Liquids – tea, coffee, **sandwich**, milk, fruit juice
3. Parts of a house – roof, room, door, window, **kennel**
4. Body building foods: Milk, eggs, pulses, fish, **chocolates**
5. Use of wood – chair, boat, guitar, **rope**, table

### Q2. Match the following.

(5 mks)

- |           |   |                        |
|-----------|---|------------------------|
| 1. Dog    | → | (a) gives us wool      |
| 2. cow    | → | (b) carries heavy load |
| 3. donkey | → | (c) gives us milk      |
| 4. sheep  | → | (d) guards our house   |

### Q3. Classify the following.

(4 mks)

1. Money plant, pumpkin, grape-vine, watermelon, cucumber, pea plant
  - a. climbers- Money plant, Grape-vine, pea plant
  - b. creepers- Pumpkin, watermelon, cucumber
2. Sweater, raincoat, coat, gumboot, umbrella, shawl
  - a. winter wear- Sweater, coat, shawl
  - b. monsoon wear-- Raincoat, gumboot, umbrella
3. Rice, chickpeas, green peas, corn, wheat, kidney beans
  - a. cereals-- Rice, corn, wheat
  - b. pulses-- kidney beans, chickpeas, green peas
4. Granite, rocksalt, marble, slate, shale, sandstone
  - a. hard rock - Granite, marble, sandstone
  - b. soft rock- shale, rock salt, slate

**Q4. Answer the questions based on facts you have learnt?**

**(8 mks)**

1. Why do many people live in plains? **Plains are vast areas of flat land where different kind of crops grow and hence many people live here.**

2. From which plants do we get chocolate? **We get chocolate from the cacao seeds.**

3. What is the sun made up of? **The sun is a large hot ball of fire made of many gases.**

4. Name any two parts of our body which do not have any bones? **ear lobes, eye lids, tongue**

5. What do insects like mosquitoes and lice eat? **they suck blood from human beings and other animals**

6. Which muscles do you use when you ride your bicycle? **When you ride your bicycle, you use your leg muscles to move the pedals**

7. What does air contain? **Air contains gases, water vapour, dust particles, smoke and germs**

8. How is water taken from under the ground? **Water from under the ground is taken, by digging wells. (or) wells are dug to take the underground water.**

**Q5. Tick the correct option.**

**(5 mks)**

1. The teacher asked the students to give an example of a tree that doesn't have any branches, which one is correct -

a. Banyan tree

b. Peepal tree

**c. Coconut tree**

2. Rinku runs a parlour, she asked her friend to get some leaves to make hair colour, which leaves her friend should get -

a. Mint

b. Basil

**c. Henna**

3. Samir was passing by a very dry and sandy area with very few trees, what area did Samir pass by –

**a. dessert**

b. coast

c. forest

4. In the human body, all the bones together form the –

a. brain

**b. skeleton**

c. muscles

5. Tommy's mother asked him to eat healthy food so he decided to eat –

**a. vegetable sandwich**

b. burger

c. potato chips

**Q6. Give Reasons.**

**(6 mks)**

1. We cannot look straight at the sun - **Because it is a large hot ball of fire and it is very bright.**

2. Breathing impure air makes us ill - **Because impure air contains dust, smoke and germs.**

3. We must not lean out of the bus while travelling - **Because you may get hit by a moving vehicle.**

4. We must always maintain a good posture - **Because correct posture keeps your body in proper shape and prevents unnecessary aches**

**Q7. With the help of activities conducted earlier, underline the correct option.**

**(4 mks)**

1. When your hand blocks the path of a torch beam of light a shadow is formed on the wall, the position of the shadow is

- a. opposite the torch beam**
- b. on the same side as the torch beam
- c. between the torch beam and the hand

2. When water is kept in the refrigerator, it turns into ice –

- a. water evaporates on cooling
- b. water freezes on cooling**
- c. water condenses on cooling

3. Even though the bones of our hands are long and hard and strong, we can move our hand when we want to lift a book -

- a. because the bones are hard but flexible
- b. because the bones are hard but the brain makes them flexible
- c. because the bones are attached to muscles which enable them to move**

4. The contractor asked Rocky to get the stones required to fit as tiles for their new apartment, what stones must rocky get –

- a. granite**
- b. chalk
- c. rock salt

**Q8. Explain.**

**(2 mks)**

1. Air takes up space - **Blow air into a balloon, as more and more air gets filled in the balloon, its size becomes bigger and bigger, this shows that air occupies space.**
2. You must brush your teeth twice a day - **To remove the food particles stuck in your teeth so as to have strong and healthy teeth.**

**Q9. Draw the shadow the below object makes on the screen.**

**(2 mks)**

