



SCO International
Science Olympiad

Total Questions - 50

Maximum Mark - 150

Duration - 1 hr

	Pattern and Marking Scheme	
No. of Questions	50	-
Marks Per Question	3	

Syllabus	International Science Olympiad (ISO) 2022-23 SET - AH 7
Grade 6	Food: Where Does It come from?, Component of Food, Fibre to Fabric, Sorting Materials Into Groups, Separation of Substances, Changes around Us, Getting to Know Plants, Body Movements, The Living Organisms And their Surroundings, Motion and Measurement of Distances, Light, Shadows and Reflection, Electricity and Circuits, Fun with Magnets, Water, Air Around Us, Garbage In, Garbage Out



Guidelines for the Candidate

1. You will get additional ten minutes to fill up information about yourself on the OMR sheet before the start of the exam.
2. Write your name, school code, class, roll number, and mobile number clearly on the OMR sheet, and do not forget to sign it. We will share your marks / results, and other information related to Olympiad exams on your mobile number.
3. The Question Paper comprises sections: reasoning, subjective, achievers' section
4. All questions are compulsory. There is no negative marking. Use of a calculator is not permitted.
5. There is only one correct answer. Choose only one option for an answer.
6. To mark your choice of answers by darkening the circles on the OMR Sheet, use HB Pencil or Blue / Black ball point pen only
7. Rough work should be done in the blank space provided in this booklet.
8. Return the OMR sheet to the invigilator at the end of the exam.
9. Please fill in your personal details in the space provided on this page before attempting the paper.

1. Hanu's mother was cooking in the kitchen. Hanu observed his mother was preparing ghee from butter and cream at home. Which method(s) can be used to separate ghee from the residue?

- a. Evaporation and decantation
- b. Decantation and filtration
- c. Decantation and churning
- d. D. Only churning

2. Neha took an empty plastic bottle, turned it upside down, and dipped its open mouth into a bucket filled with water. She then tilted the bottle slightly and made the following observations. Which observation(s) is/are correct?

- a. Bubbles of air came out from the bottle and some water entered into the bottle.
- b. No bubbles are formed, only water entered into the bottle.
- c. Nitrogen gas came out in the form of bubbles and oxygen gas dissolved in water and no bubbles are formed, only water entered into the bottle.
- d. Bubbles of air came out from the bottle.

3. How many of the following statements are CORRECT?

- 1. All living things require air to breathe.
- 2. We can feel air but we cannot see it.
- 3. Moving air makes it possible to fly a kite.
- 4. Air is present everywhere but not in soil.

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

4. In an activity to show that air is mainly a mixture of two gases (nitrogen and oxygen), the carbon dioxide produced by the burning of candle in air is absorbed by dissolving a substance X in water in the trough. The substance X is _____.

- a. Washing soda
- b. Baking soda
- c. Caustic soda
- d. Soda water

5. Select the INCORRECT match.

- a. Petiole: Attaches leaf to stem

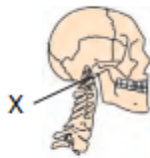
- b. Lamina: Green flat part of leaf
- c. Margin: Gives safe to the leaf
- d. Veins: Transpiration

6. Which process is explained below?

It is the process of making yarn from fibers. In this process, fibers from a mass of cotton wool are drawn out and twisted. This brings the fibers together to form a yarn.

- a. Weaving
- b. Spinning
- c. Knitting
- d. Ginning

7. Identify the joint X shown in the given figure.



- a. Ball and socket joint
- b. Pivotal joint
- c. Knee joint
- d. Hinge joint

8. Mini moves on a straight road from point P to point R. She takes 30 minutes to cover a certain distance (PQ) and 40 minutes to cover the rest of the distance (QR). She then returns back and takes 40 minutes to cover the distance RQ and 30 minutes to cover the rest of the distance to her starting point. She makes 5 rounds on the road in the same way. Mini concludes that her motion is _____.

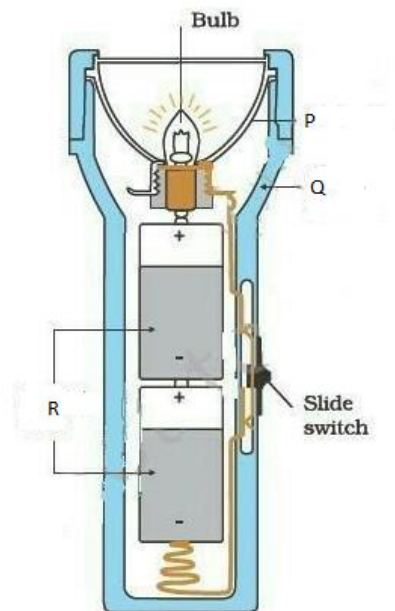
- a. Only rectilinear motion
- b. Only periodic motion
- c. Rectilinear and periodic motion
- d. Neither rectilinear nor periodic motion

9. There are _____ ribs on each side of the chest.

- a. 10

- b. 11
- c. 12
- d. 13

10. The inside view of the torch is given here. Identify P, Q and R respectively.



- a. Reflector, Plastic casing, electric cells
- b. Plastic casing, Reflector, electric cells
- c. Electric cells, Plastic casing, Reflector
- d. Lining, Metal case, electric cells

Answer Keys:

Ques. 1	(b)	Ques. 6	(b)
Ques. 2	(a)	Ques. 7	(b)
Ques. 3	(d)	Ques. 8	(c)
Ques. 4	(c)	Ques. 9	(c)
Ques. 5	(d)	Ques. 10	(a)



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