

ISFO Science Sample Paper

MAXIMUM TIME: 60 MINUTES

MAXIMUM MARKS: 100

INSTRUCTIONS

1. Please DO NOT OPEN the contest booklet until you are asked to do so.
2. The question paper comprises of 4 sections (Total 50 questions):
 - Section A: Scientific Reasoning** 25-Questions (2 mark each)
 - Section B: Everyday Science** 15-Questions (1 mark each)
 - Section C: Logical Reasoning** 5-Questions (2 mark each)
 - Section D: BrainBox** 5-Questions (5 mark each)
3. All questions are compulsory. There is no negative marking.
4. No electronic devices capable of storing and displaying visual information such as calculator and mobile are allowed during the course of the exam.
5. Fill all your detail properly on the OMR sheet.
6. There is only ONE correct answer of each question.
7. To mark your choice of answers by darkening the circles on the OMR Sheet, use an HB Pencil or a Blue/Black Ball Point Pen only.
8. Shade your answer clearly as per the given example:



DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO

Roll No.:

Student's Name:

SECTION A : SCIENTIFIC REASONING

1. Identify the given animal. On the basis of its eating habit, name the type of teeth it is adapted with.

- a) Molars
- b) Premolars
- c) Incisors
- d) Canines



- a) Rigid and flexible
- b) Metal and non-metal
- c) Transparent and opaque
- d) All are correct

2. Which of the following food chain can exist in the nature?

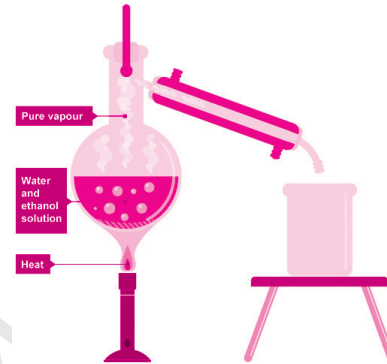
- a) Grass → Deer → Eagle → Frog
- b) Grass → Grasshopper → Frog → Snake
- c) Grass → Caterpillar → Frog → Snake → Owl
- d) Both b) and c)

3. Study the given materials.



Which of the following properties can be used to classify these items into different groups?

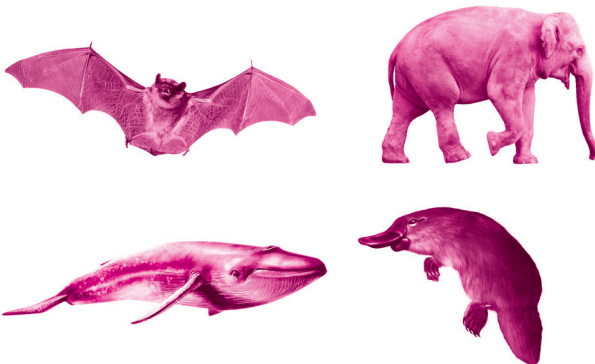
4. It is used to remove soluble impurities of water. Choose the correct statement about this phenomenon.



- a) It is known as distillation.
- b) This method can be used to remove salt from sea water.
- c) Both a) and b)
- d) None of these

SECTION B : EVERYDAY SCIENCE

5. To which group of animals do these animals belong?



a) Amphibians

b) Fish

c) Mammals









d) Reptiles





6. Rubber is used to make things like football tyres, gloves etc. Which of the following characteristics make the rubber a suitable material for these objects?

- a) Softness and flexibility
- b) Softness, flexibility and elasticity
- c) Cheap, natural and electrical insulator
- d) Elasticity, flexibility and electrical insulator

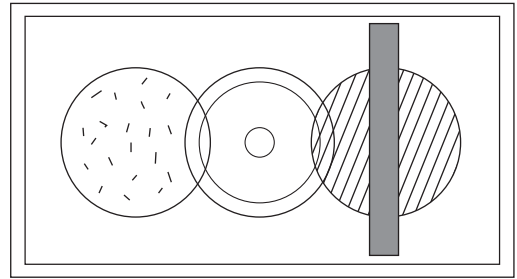
SECTION C : LOGICAL REASONING

7. Replace the question mark with the appropriate figure.

		
		
	?	

- a)  b) 
- c)  d) 

8. Observe the given figure.



There are _____ more circles than rectangular.

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

SECTION D : BRAINBOX

9. There are patterns on the soles of our shoes. These patterns are to
- Increase the friction between sole of the shoe and the floor which prevent us from slipping.
 - Prevent the soles from wearing out too quickly.
 - Leave distinct foot prints only.
 - Reduce the friction between soles of shoe and the floor.



10. How are the given animals similar in their characteristics?

- They reproduce by laying eggs.
- They have 4 stage life cycle.
- Both a and b
- None of these



SAMPLE PAPER

ANSWERS

1. (D)	2. (D)	3. (C)	4. (C)	5. (C)	6. (B)	7. (D)	8. (B)	9. (A)	10. (C)
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