

ISFO Science Sample Paper

MAXIMUM TIME: 60 MINUTES

MAXIMUM MARKS: 50

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 35 questions):
 - Section A: Scientific Reasoning** 13-Questions (1 mark each)
 - Section B: Everyday Science** 12-Questions (1 mark each)
 - Section C: Logical Reasoning** 5-Questions (1 mark each)
 - Section D: BrainBox** 5-Questions (4 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 details 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. In what ways are the given plants alike?



Lotus



Water Lily

- a) They are aquatic plants.
- b) They are floating plants.
- c) They do not have well developed roots.
- d) All of these

2. A man works in a polluted area and has breathing problem. Which of the following organ systems of the man is most probably not working properly?

- a) Circulatory System
- b) Respiratory System
- c) Digestive System
- d) Excretory System

3. Observe the given picture. How many types of material is it made up of?

- a) 2
- b) 3
- c) 4
- d) 5



4. Which of the following statements is incorrect?

- a) Light enables us to see the object.
- b) Light can travel in vacuum.
- c) Every object allows light to pass through.
- d) Light is a form of energy.

SECTION B: EVERYDAY SCIENCE

5. We should use freshwater wisely as

- a) There is limited amount of freshwater on Earth.
- b) We cannot use sea water for drinking.
- c) The maximum part of Earth is covered with water.
- d) All of these

6. Which of the following is known as the brightest and hottest planet in the solar system?

a)



Venus

b)



Mercury

c)



Jupiter

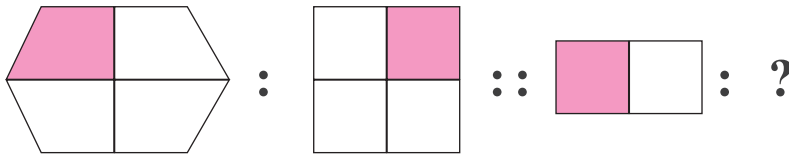
d)



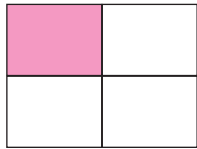
Mars

SECTION C: LOGICAL REASONING

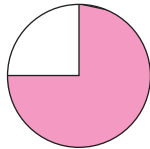
7. Which of the following completes the second pair in the same way as the first pair?



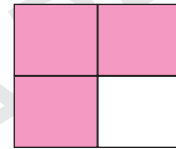
a)



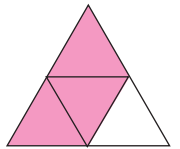
b)



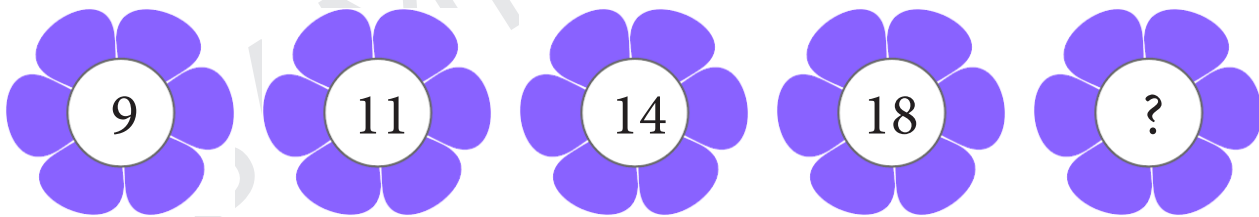
c)



d)



8. Complete the given sequence.



a) 20

b) 22

c) 23

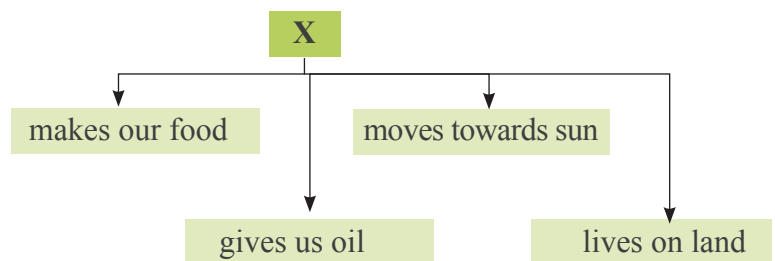
d) 25

SECTION D: BRAIN BOX

9. Complete the given flowchart

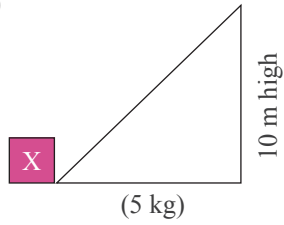
What could be the 'X'?

- a) It is an aquatic plant.
- b) It is a sunflower.
- c) It is a ground nut plant.
- d) It is a mustard plant.

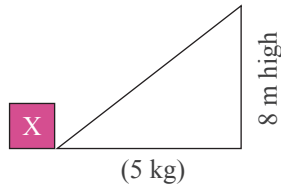


10. Ritika tried to lift a box 'X' of 5 kg on the ramps of different heights as shown in the figures. In which case did she apply the minimum force?

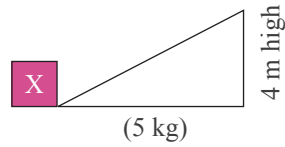
a)



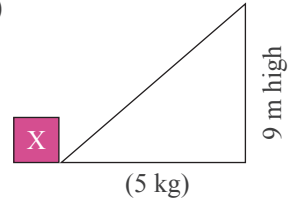
b)



c)



d)



SAMPLE PAPER

ANSWERS

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