



CREST Science Olympiad (CSO)

Previous Year Paper (2021-22)

Class 3

Time Allowed: 1-hour

Maximum Marks: 45

- Additional **10 minutes** will be allotted to fill up information on the OMR Sheet, before the start of the exam.
- Fill in all the mandatory fields clearly on the OMR Sheet.
- There are **2 sections** in the question paper namely the **Practical Science & Achievers' Section** consisting of **25 questions (1 mark each) & 10 questions (2 marks each)**, respectively.
- There is no negative marking. The use of a calculator is not permitted.
- There is **only ONE correct option** to a given question.
- Use **HB Pencil or Blue / Black ball point pen only** for marking the correct choice of answers on the OMR Sheet.
- Rough work is to be done in the space provided in the test booklet. Extra plain sheet may be provided by the school for the rough work.
- The OMR Sheet is to be handed over to the invigilator at the end of the exam.
- No candidate is allowed to carry any textual material, printed or written, bits of paper, any electronic device, etc. inside the examination hall.
- The use of unfair means may result in the cancellation of the exam. Any such instances may be reported at **+91-98182-94134** or **info@crestolympiads.com**

DO NOT OPEN THIS BOOKLET UNTIL ASKED TO DO SO

FILL IN THE DETAILS

Student Name: _____

Class: _____ Section: _____

Enrollment No: _____

Practical Science (Each Question is 1 Mark)

1. Minerals are also called protective foods and helps us to fight diseases. Which of the following food item is a very good source of iron?



2. Choose the correct option and complete the following sentences:

1. The old cardboard was used to make new boxes. The cardboard was _____
2. _____ means to use less of something.

- a. 1 – renewed, 2 – reduce
c. 1 – reduced, 2 – recycle

- b. 1 – recycled, 2 – reducing
d. 1 – reused, 2 – recycle

3. Fill in the blank:

Human beings have four types of teeth. _____ teeth are used for biting a guava.



- a. molars
c. premolars

- b. canines
d. incisors

4. Complete the pattern given below correctly:

Vapour : Gas :: Juice : _____

- a. Glass
c. Gas

- b. Solid
d. Liquid

5. Fill in the blanks with suitable terms from the list given below:
1. A shadow is always formed on the _____ side of the light.
 2. Torchlight and candle are _____ sources of light.

- a. 1 – Opposite, 2 – Artificial
 b. 1 – Opposite, 2 – Natural
 c. 1 – Left, 2 – Luminous
 d. 1 – East, 2 – Non-luminous

6. The picture below shows a damaged tyre and damaged sole of shoes. What is the reason behind such damage in the tyre and shoes?



- a. Frictional force
 b. Magnetic force
 c. Gravitational force
 d. Muscular force

7. What kind of fibres are obtained from the animals shown in the picture below?



- a. 1 – Rayon, 2 – Cotton
 b. 1 – Cotton, 2 – Silk
 c. 1 – Wool, 2 – Silk
 d. 1 – Jute, 2 – Nylon

8. Fill in the blanks with suitable terms and select the correct option:

1. _____ is the only planet that supports life.
2. _____ is the brightest object in the sky, next to the sun.

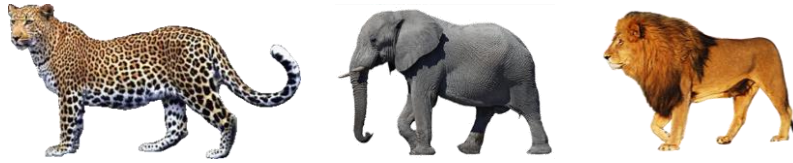
- a. 1. Mercury, 2. Stars
 b. 1. Venus, 2. Earth
 c. 1. Earth, 2. Moon
 d. 1. Earth, 2. Venus

9. Seeds are great travellers. How do seeds of pea plant reach different places?



- a. These are carried by animals or birds.
 b. These are thrown by splitting or bursting.
 c. These are carried by water.
 d. These are carried by air.

10. Classify the following animals into a group according to their habitat. Pick the habitat they belong to:



- a. Polar region
b. Desert
c. Forest
d. Ocean
11. Which of the following mode of transport can be used to travel from Delhi to Dubai in the least amount of time?
P: Aeroplane
Q: Train
R: Bus
S: Ship
- a. P
b. Q
c. R
d. S
12. Which of the following pairs are wrongly classified?
D: Sugar – Does not dissolve in water
E: Mud – Dissolves in water
F: Oxygen – Dissolves in water
G: Sand – Does not dissolve in water
- a. D and F
b. D and E
c. F and G
d. E and G
13. The picture below shows the first boy looking through a straight hose at the candle and the second boy trying to look through a bent hose at the candle. The second boy was unable to see the candle burning through the bent hose. What does this experiment prove?



- a. Light does not travel in a straight line.
b. Light travels in a straight line.
c. We should always look through a bent hose to see light.
d. Light travels in all directions from its source.

14. Read the clues and identify the animal correctly:

Clue 1: I have gills to breathe.

Clue 2: I lay eggs and my ears cannot be seen.

Clue 3: I live in water only.

Who am I?

- a. Fish
- b. Whale
- c. Dolphin
- d. Frog

15. Consider the given statements and choose the correct option:

Statement 1: Mercury, Venus, Earth and Mars — are often called the "terrestrial planets" because their surfaces are rocky.

Statement 2: Jupiter and Saturn are sometimes called the ice giants.

Statement 3: Uranus and Neptune have been nicknamed the gas giants.

- a. Statements 1 and 2 are correct and statement 3 is incorrect.
- b. Statements 1 and 2 are incorrect and statement 3 is correct.
- c. Statements 2 and 3 are incorrect and statement 1 is correct.
- d. Statements 1 and 3 are incorrect and statement 2 is correct.

16. Fill in the blanks:

Two means of transport in water are _____ and _____.

- a. boat and submarine
- b. ship and helicopter
- c. boat and car
- d. yacht and tram

17. In which of the following places do we generally see the house on stilts?



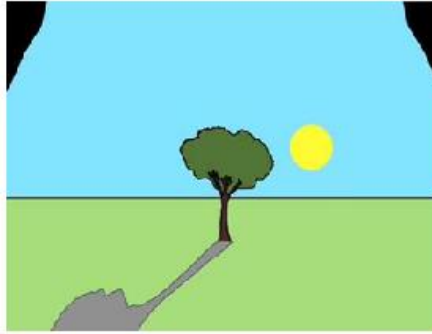
- a. Place where there are many crocodiles.
- b. Place where there is snowfall all-round the year.
- c. Place where it rains a lot and floods happen more often.
- d. Desert region

18. Look at the two food items shown below and identify the main nutrient present in them:



- a. Fats
- b. Carbohydrates
- c. Minerals
- d. Protein

19. Observe the given picture of the shadow of a tree:
What could be the time of the day?



- a. Morning only
b. Evening only
c. Afternoon only
d. Morning or evening
20. Complete the following sentences:
1. The sun and other stars are huge bodies made up of _____.
2. The stars, planets, moon and objects in the sky are called _____.
- a. 1. rocks, 2. Galaxy
b. 1. liquids, 2. lunar bodies
c. 1. gases, 2. celestial bodies
d. 1. Ice, 2. solar bodies
21. Read the sentences given below and choose the INCORRECT statement(s) related to birds - types of feathers:
a. Flight feathers are soft and fluffy.
b. Down feathers keeps the bird's body warm.
c. Body feathers cover the body of the bird and give it shape.
- a. Only a
b. Both a and b
c. Both b and c
d. a, b and c
22. The figure given below shows the feet of a bird. Which of the birds given below can have this type of feet?

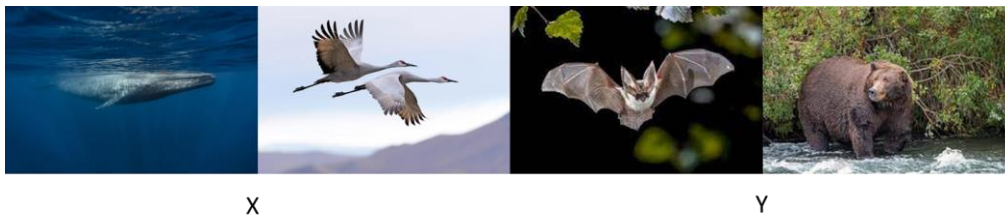


- a. Duck
b. Ostrich
c. Eagle
d. Woodpecker

- 23.** Look at the pictures of different food items carefully:
Which of the following food item is a rich source of calcium?



- 24.** Given below are two groups of animals:
On what basis have they been grouped?



- a. Group X: Animals that migrate.
Group Y: Animals that hibernate.
- b. Group X: Animals that eat only plants.
Group Y: Animals that eat both plants and flesh of other animals.
- c. Group X: Animals that live in water.
Group Y: Animals found in desert regions.
- d. Group X: Animals which live both on land and in water.
Group Y: Animals that spend most of their time on trees.
- 25.** Identify the state of matter from the clue given below:
It has a volume that stays the same, but it can change shape. What is it?

- a. Solid
c. Gas
b. Liquid
d. Ice

Achiever's Section (Each Question is 2 Marks)

26. Danny went jogging one morning. He started breathing faster and his heart beat faster.
Which systems in his body were responsible for the changes that he experienced?

- a. Skeletal and muscular systems
- b. Circulatory and skeletal systems
- c. Respiratory and muscular systems
- d. Circulatory and respiratory systems

27. Rainwater harvesting is one way of increasing the availability of water by collecting the rainwater and storing it for later use. Which of the following is/are the benefits of rainwater harvesting?

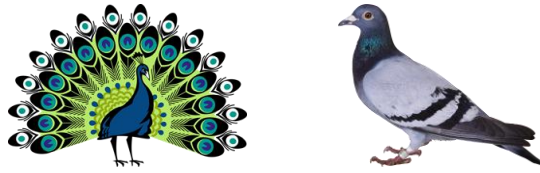
- a. It is environment-friendly.
- b. It improves the quality of groundwater.
- c. It prevents soil erosion and flooding, especially in urban areas.
- d. All of the above

28. When a shopping cart is pushed, the cart rolls forward.
Four students made the following statements about the forces acting on the cart:
Richard: The forces acting on the cart are balanced.
David: The forces acting on the cart are unbalanced.
George: No force is acting on the cart.
Ana: Both muscular and electric forces act on the cart.
Which of them made the correct statement?



- a. Only Richard
- b. Only George
- c. Only Ana
- d. Only David

29. Identify the similarity between the birds shown in the picture below in terms of the kind of beak they have:



- a. Both have long, slender and pointed beak.
b. Both have broad and flat beak.
c. Both have long, thin and curved beak.
d. Both have short, hard and horny beak.
30. Which of the following pairs are wrongly classified?
P: Luminous object – Bulb and torch
Q: Natural sources of light – Sun and book
R: Non-luminous objects – Glow-worms and pencil
S: Artificial sources of light – Fire and candle
- a. P and Q
b. Q and S
c. R and S
d. Q and R
31. Four children made the following statements about transport:
Whose statement(s) about transport is/are true?
Harry: An ambulance is a type of water transport to carry heavy goods from one place to another.
Jack: Auto, scooter and car are owned by people.
Toby: Metro rail is a means of air transport.
John: Fire truck carries special equipment and firefighters to put out the fire.
- a. Jack and John
b. Harry and Toby
c. Harry and John
d. Jack and Toby
32. Complete the pattern given below:
Asthma: Due to air pollution: _____ : Due to water pollution
- a. Cholera
b. Chicken pox
c. Malaria
d. Cancer

33. Two types of houses (1 and 2) are shown below. Identify them and select the correct option regarding 1 and 2:



- a. 1 is house on wheels whereas 2 is an apartment.
b. 1 is a house boat made on water whereas 2 is a hut made on land.
c. 1 is a tent made of plastic sheet/canvas whereas 2 is an igloo made of ice.
d. 1 is an apartment whereas 2 is a castle.
34. What is the similarity between the two trees namely Rosewood and Sal as shown below?



- a. We get medicines from these two trees.
b. We get natural fibres from these two trees.
c. We get beverages from these two trees.
d. We get wood from these two trees.
35. Given below are some features of plants found in a particular habitat:
1. The stems are thick and fleshy which store water and food.
 2. The leaves are reduced to thorns or spines to avoid loss of water.
 3. They have long roots that grow deep into the soil to get underground water.
- Which of these is the habitat of the given plant?

- a. Mountain
b. Grasslands
c. Desert
d. Pond

Answer Key

1. d 2. b 3. d 4. d 5. a 6. a 7. c 8. c 9. b 10. c
11. a 12. b 13. b 14. a 15. c 16. a 17. c 18. d 19. d 20. c
21. a 22. b 23. d 24. a 25. a 26. d 27. d 28. d 29. d 30. d
31. a 32. a 33. c 34. d 35. c