



CREST Science Olympiad (CSO)

Sample Paper

Pattern and Marking Scheme

Grade	Topic/Section	No. of Questions	Marks per Question	Total Marks
Grade 1	Practical Science	25	1	25
	Achiever's Section	10	2	20
Grand Total		35		45

The total duration of the exam is 60 minutes.

Syllabus

Section 1: Living and Non-living Things, Plants, Animals, Human Beings and Their Needs, Good Habits and Safety Rules, Air and Water, Weather and the Sky.

Achievers Section: Higher Order Thinking Questions - Syllabus as per Section 1

For more details, visit <https://www.crestolympiads.com/science-olympiad-cso>

Practical Science (Each Question is 1 Mark)

1. What can happen if you leave fruit peels on the floor?



- a. You may get electric shock.
- b. You may hit others.
- c. You can play with those peels.
- d. You may slip.

2. Analyse the images and choose the correct answer:
Which of the following helps in making the air clean?



3. See the image and choose the correct answer:
Which out of the following will float in a bucket full of water?



4. Which out of the following is seen at night?



c.



d. Both a and c

5. Shown below is a flesh-eating bird. Identify this bird:



- a. Crow
- c. Eagle

- b. Pigeon
- d. Parrot

6. Read the following statements and choose which of them are good habits:

1. We should not spit in parks and on roads and walls.
2. We should eat food bought from the roadside vendors.
3. We should use computers and mobile phones for a long time as they do not harm our eyes.
4. We must brush our teeth twice a day.

- a. 1 and 4
- c. 3 and 4

- b. 2 and 3
- d. 2 and 4

7. David wrote the following two statements on the blackboard about living and non-living things:

1. Toys feel pain if we pinch or twist them.
2. Only non-living things need food and air.

Choose the correct option regarding the above two statements:

- a. Statement 1 is correct but statement 2 is incorrect
- b. Statement 1 is incorrect but statement 2 is correct
- c. Both the statements are correct
- d. Both the statements are incorrect

8. Read and state whether the following sentences are true or false:

1. If we do not know how to swim, then we should use floaters.
2. Support, in the form of a cloth or bandage, provided to fractured or sprained arm is called a splint.

- a. 1-False, 2-False
- c. 1-True, 2-False

- b. 1-True, 2-True
- d. 1-False, 2-True

9. Study the given image and identify the property of air it is showing:



- a. Air occupies space.
- b. Air moves things.
- c. Air has weight.
- d. Air is required for burning.

10. Which sense organ is the lady using to know the fragrance of the flower in the given picture?



- a. Ear
- b. Eye
- c. Nose
- d. Tongue

11. Read the given clue and identify the plant:

The seed of my plant is crushed to extract oil which is used for cooking.

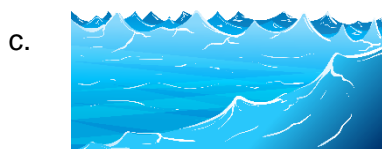
- a. Coriander
- b. Cumin
- c. Mint
- d. Mustard

12. For which part of the body is the given item used?



- a. Eyes
- b. Nose
- c. Ears
- d. Head

13. Which of the following is a solid form of water?



14. Which of the following statements is INCORRECT related to what one should do in a particular season?



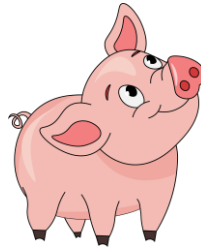
- a. Wear woollen clothes when it rains a lot.
- b. Use an umbrella to keep yourself dry during monsoon.
- c. Wear cotton clothes in summer.
- d. Drink hot coffee in winter.

15. Which of the following we should preferably wear for the weather shown in the picture below?



- a. Woollen muffler
- b. Leather jacket
- c. Cotton saree
- d. Raincoat

16. Where does the animal shown in the picture live?



- a. Burrows
- b. Stable
- c. Sty
- d. Coop

17. Which of the following is the function of the human heart?



- a. It helps in the digestion of food.
- b. It controls all the organs of the body.
- c. It pumps the blood throughout the body.
- d. It helps in excreting wastes from the body.

18. Read the following sentences and state whether they are TRUE or FALSE:

- 1. The touch-me-not plant closes its leaves when touched.
- 2. A car moves from one place to another so it is a living thing
- 3. Dogs and humans give birth to young ones.

- a. 1-True, 2-True, 3. True
- b. 1-False, 2-True, 3. False
- c. 1-False, 2-False, 3. False
- d. 1-True, 2-False, 3. True

19. Identify which of the following are an INCORRECT match:

- P: Winter - Cotton frock
- Q: Summer - Cotton shirt
- R: Monsoon - Gumboots
- S: Autumn - Raincoat

- a. P and Q
- c. R and S

- b. Q and R
- d. P and S

20. Look at the traffic lights below in the picture.
The yellow light at the traffic signal says _____.



- a. stop
- c. go

- b. get ready
- d. run

21. Fill in the blank:
The picture below shows a _____ house.



- a. permanent
- c. dirty

- b. caravan
- d. temporary

22. Which of the following safety rule is INCORRECT?

- a. We should cross the road at the zebra crossing only.
- b. Medicines should be kept away from the reach of small children at home.
- c. We should wash our hands before and after our meals with soap.
- d. When we are swimming in the pool we should swim in the deep end of the pool.

23. Clothes are also a part of human beings basic needs.
Look at the picture given below and complete the following sentence:
The item shown is used for our _____.



- a. eyes
- c. hands

- b. legs
- d. ears

24. What is the similarity between the two food items shown below?



- a. Both are climbers.
- b. Both are creepers.
- c. Both are trees.
- d. Both are shrubs.

25. Read and complete the sentence given below:

The diseases namely cholera, typhoid and jaundice are caused due to _____.

- a. air pollution
- b. soil pollution
- c. water pollution
- d. noise pollution

Achiever's Section (Each Question is 2 Marks)

26. Choose the correct answer from the options:

"Living things are capable of producing young ones". This statement is best represented by which of the following image?



27. Match column I with column II and select the correct option:

Column I		Column II	
1.	Root	a.	Ginger and Potato
2.	Stem	b.	Carrot and Radish
3.	Leaf	c.	Cucumber and Apple
4.	Fruit	d.	Lettuce and Spinach

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

28. Ana's teacher tells her about an animal with the following characteristics:

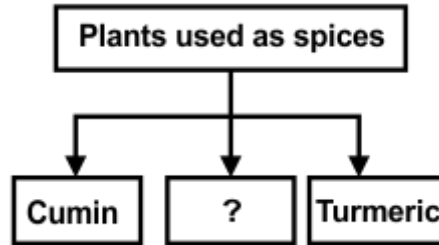
1. It gives milk and meat.
2. It is a domestic animal.
3. Its young one is called a kid.

Anita's teacher then gives her a task to match an animal that shows the same characteristics.

Which animal do you think Ana should choose?

- a. Cow
- b. Horse
- c. Goat
- d. Kangaroo

29. Which of the following options can replace the question mark in the given flowchart?



- a. Cotton
- b. Coffee
- c. Clove
- d. Rose

30. Given below is the picture of an animal. Identify the kind of animal it is:



- a. Extinct animal
- b. Pet animal
- c. Endangered animal
- d. Domestic animal

31. Read and state whether the following sentences are true or false:

1. We can save water by not closing the taps after use.
2. We cannot drink water from the sea because it is salty.

- a. 1-True, 2-False
- b. 1-False, 2-True
- c. 1-True, 2-True
- d. 1-False, 2-False

32. Ravi classified the items given in the table as shown below:

Paper, Ice-cream, Bridges, Fruits, Books, Cars, Toys

D: Man-made things - Cars and bridges

E: Living things - Fruits and ice cream

F: Non-living things - Paper and pen

G: Natural things - Toys and books

Which of the above pairs did he classify incorrectly?

- a. E and G
- b. D and F
- c. D and E
- d. F and G

33. Observe the pictures below:

Which of the following belongs to the group of non-living things?



- a. Snake, ball, chair and rat
 b. Books, rat, parrot and chair
 c. Snake, rat, parrot and chair
 d. Car, books, ball and chair

34. Match the animals in column I with the food they eat in column II and select the correct option:

Column I		Column II	
1.	Giraffe	a.	Milk
2.	Cat	b.	Leaves
3.	Squirrel	c.	Meat
4.	Cheetah	d.	Nuts

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

35. Look at the pictures given below and identify the similarity between them correctly:



- a. Both are used as spices in cooking.
 b. Both are cereals.
 c. Both are pulses.
 d. We make dyes using these seeds.

Answer Key

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