

**CREST Science Olympiad (CSO)****Sample Paper****Pattern and Marking Scheme**

Grade	Topic/Section	No. of Questions	Marks per Question	Total Marks
Grade 2	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: Plants, Animals, Human Body, Food, Housing and Clothing, Family and Festivals, Occupations, Good Habits and Safety Rules, Transport and Communication, Air, Water and Rocks, Earth and Universe.

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. Observe the picture shown below and identify the type of pollution it is most likely to cause:
W: Water
X: Air
Y: Noise
Z: Soil



- a. W only
b. X only
c. Both W and Z
d. Both X and Y
2. Choose the correct option and complete the following sentence:
Mother of my mother is my _____.
- a. grandfather
b. nephew
c. aunt
d. grandmother
3. While working in the kitchen we should avoid wearing clothes made of certain fibres. Identify the fabric which is most dangerous in the kitchen:
- a. Cotton
b. Wool
c. Nylon
d. Jute
4. Look at the pictures given below and identify the similarity between them:



- a. They are social insects since they live together.
b. These insects reproduce by giving birth to their young ones.
c. These insects help flowers to change into fruits.
d. They help to keep the environment clean.
5. It is said that plastic bags and packets should not be thrown in the open.
What is the effect of throwing plastic bags in the drain?
- a. It makes the water in the drain clean.
b. The plastic items block the drain and the dirty water overflows.
c. It lead to air pollution.
d. None of the above

6. I work in the fields and grow crops. Who am I?

a.



Electrician

b.



Doctor

c.



Farmer

d.



Plumber

7. Robert wants to go grocery shopping with his mother. Which of the following means of land transport should he use?

a.



Car

b.



Helicopter

c.



Airplane

d.



Ship

8. Identify the similarity seen between the pictures shown below:



a. Both are permanent houses.

b. Both are temporary houses.

c. Both are made up of cement and bricks.

d. Both are portable houses.

9. Spot the two activities that have disturbed the balance of our ecosystem:

D: Cutting down of trees

E: Planting more trees

F: Watering the plants

G: Killing of animals

a. Both D and E

b. Both E and F

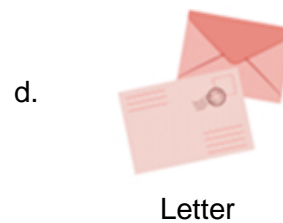
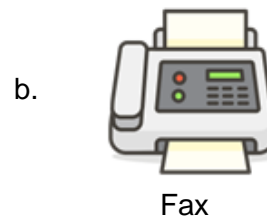
c. Both F and G

d. Both D and G

10. Choose the correct option and complete the following sentence:
The given food items are rich in _____.



- a. fats
b. vitamin A
c. carbohydrates
d. proteins
11. James learned in school different organs of the human body. Help him identify the organ that is used to pump blood throughout the body:
- a. Brain
b. Lungs
c. Heart
d. Kidney
12. Which of the following is a means of mass communication?



13. Which part of the spinach plant do we eat?
- a. Leaf
b. Root
c. Stem
d. Flower
14. Choose the correct option and complete the following sentence:
The third largest planet in the solar system is _____.
- a. Earth
b. Uranus
c. Saturn
d. Mars
15. How can you contribute to keeping our surroundings clean?
1. We should always throw garbage in the dustbin.
 2. We should never cover drains.
 3. We should burn dry leaves.

4. We should avoid spitting in public places like parks.

- a. Both 1 and 2
- c. Both 3 and 4

- b. Both 2 and 3
- d. Both 1 and 4

16. Identify the occupation of the person shown in the picture:



- a. Astronaut
- c. Engineer

- b. Scientist
- d. Plumber

17. Which of the following means of transport can be used by people to travel from one city to another?



Train



Ambulance



Fire truck



School bus

18. What kind of house is usually found in places where it rains a lot?

- a. Mud and straw houses
- c. Houses with a sloping roof

- b. Houses with a flat roof
- d. Tents

19. Which of the following is a good habit?

- a. We should play in the classroom.
- b. We should play and push each other on stairs.
- c. We should play in the playground.
- d. We should touch electrical appliances with wet hands.

20. What feature should be present in a bird like a duck to be able to swim in water?



- a. Hard shells
- b. Thick skin
- c. Webbed feet
- d. Hollow bones and boat-shaped body

21. Which of the following is an insect?

- a. Sparrow
- b. Ant
- c. Parrot
- d. Kiwi

22. Which of the following are an INCORRECT match?

- 1. Bougainvillea – Shrub
- 2. Bottle gourd – Creeper
- 3. Coriander – Shrub
- 4. Grapevine – Creeper

- a. Both 1 and 2
- b. 2, 3 and 4
- c. Only 2 and 4
- d. Only 1 and 3

23. Look at the picture given below:

What are these plants collectively called?



- a. Creepers
- b. Climbers
- c. Herbs
- d. Shrubs

24. Rachel has bleeding gums and yellow teeth. Which of the following nutrient is required for maintaining healthy teeth and gums?

- a. Proteins
- b. Fats
- c. Vitamin C
- d. Iron

25. Which of the following is/are the correct statement about the moon?

- a. It has no atmosphere.
- b. It does not have its own light.
- c. It does not revolve around the sun.
- d. All of the above

Achiever's Section (Each Question is 2 Marks)

26. Unscramble the words to find the rock that was used to make the famous Taj Mahal:

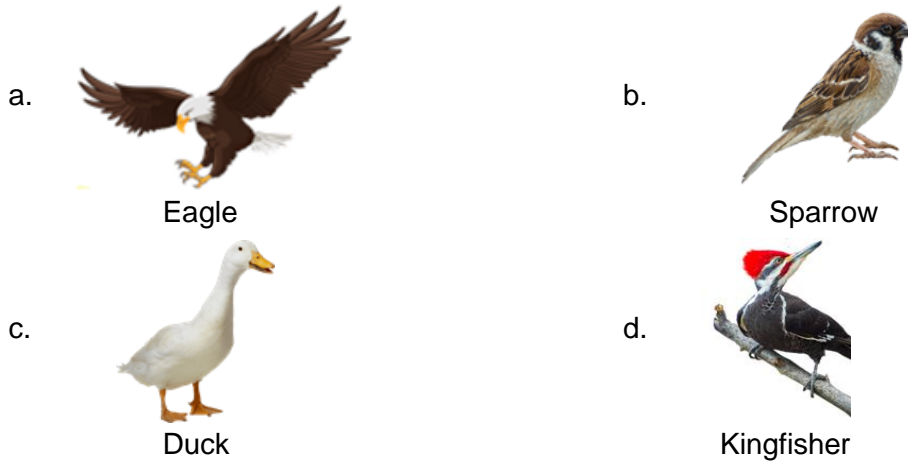


- a. RTNEAGI
- b. BMLAER
- c. KLAHC
- d. DSNATNEOS

27. Ana's teacher tells her the characteristics of a bird:

1. It has a short, hard and horny beak.
2. It makes its nest in a house or a tree with grass, leaves and straws.

Ana's teacher then gives her a task to match a bird that shows the same characteristics. Which bird do you think Ana should choose?



28. The three little rabbits lived happily in their house. One day a giant lion came to destroy and blow off their house. Which of the following house do you think the lion was not able to destroy?

- Rabbit 1: House made of straw.
- Rabbit 2: House made of cloth.
- Rabbit 3: House made of bricks.

- a. House of rabbit 3
- b. House of rabbit 2
- c. House of rabbit 1
- d. None of the above

29. Given below are two groups of animals:

Group 1: Lion, tiger, hyenas

Group 2: Deer, wildebeest, cows

Identify the correct characteristic on the basis of which the animals are grouped:

- a. Group 1: Predators, Group 2: Prey
- b. Group 1: Prey, Group 2: Scavengers
- c. Group 1: Predators, Group 2: Scavengers
- d. Group 1: Prey, Group 2: Carnivores

30. Which organ system is mainly involved for the activity done by the girl as shown in the picture below?



- a. Nervous system
- b. Respiratory system
- c. Excretory system
- d. Digestive system

31. Which of the following is/are the correct match?

X: Milk and milk products - Proteins

Y: Rice and bread - Carbohydrates

Z: Lemon and amla - Vitamin C

- a. Only X
- b. Only Y
- c. Only X and Z
- d. X, Y and Z

32. Read the given hint about the plant shown below and identify the plant:

The oil from this plant is used to treat toothache.



- a. Ginger plant
- b. Maize plant
- c. Mustard plant
- d. Clove plant

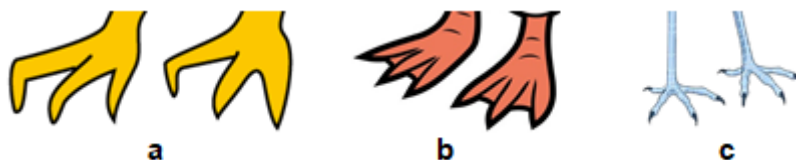
33. Identify which of the following actions are under our control:

1. The movement of our hands and legs.
2. The movement of blood around the body.
3. Chewing our food.
4. The movement of food inside our body.

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

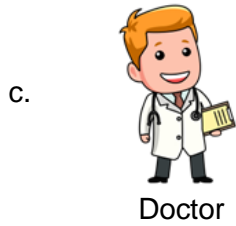
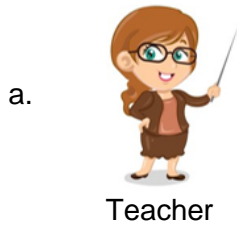
34. Refer the given figure showing different types of bird's feet and answer the following questions:

1. Which of these bird's feet is suitable for walking in shallow water?
2. Which of these bird's feet is suitable for capturing their prey?
3. Which of these bird's feet is suitable for paddling and pushing water while swimming?



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

35. Maya was having running nose, cough and high fever. Her mother wanted to take her to X and get her treated so that she can get well soon and go to school again. Identify X:



Answer Key

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