



INDIAN SCHOOL DARSAIT
HALF YEARLY EXAMINATION, SEPTEMBER-2017
SAMPLE QUESTION PAPER
SCIENCE



CLASS: VI

Max. Marks: 80
Time: 3 hours

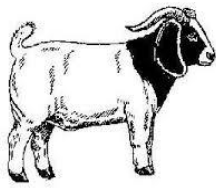
General Instructions:

- (i) All questions are compulsory.
- (ii) Marks for each question are indicated against it.
- (iii) Questions **1** and **2** are very short answer questions and carry **1** mark each.
- (iv) Questions **3** to **11** are short answer questions and carry **2** marks each.
- (v) Questions **12** to **20** are long answer questions and carry **3** marks each.
- (vi) **Question number 21 is a value based question of three marks.**
- (vii) Question number **22** to **27** are long answer questions and carry **5** marks each.

- | | | |
|---|------------------------------------------------------------------------------|---|
| 1 | Name a lustrous object | 1 |
| 2 | Name the following: | 1 |
| | a. A plant in which seeds and leaves are edible. | |
| | b. A spice obtained from the bark. | |
| 3 | Identify the method of separation used to separate: | 2 |
| | (a) Salt from seawater. (b) Wheat flour from broken wheat | |
| | (c) Husk from rice (d) Grains from paddy stalks | |
| 4 | Classify the following as biodegradable wastes and non biodegradable wastes. | 2 |
| | Cotton , Tooth brush , Steel mug ,Mango peel . | |
| 5 | Identify the plant part that is eaten as food in the following figures. | 2 |



6 How will you classify the following animals on the basis of their food habits? 2



7 Give reasons: 2

- a) Children should take milk every day.
- b) Proteins are called building blocks of our body.

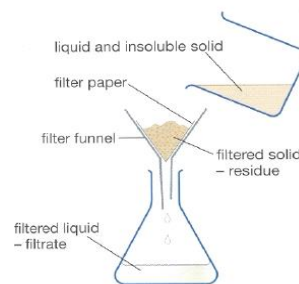
8 Explain how jute fibres are obtained from jute plants. 2

9 Explain how a metal rim is fixed around the wooden wheel of cart. 2

10 Classify the following objects into transparent, translucent and opaque objects. 2

Fog, rock, book, air.

11 The figure of a process used in daily life is shown. 2



- a) Name the process.
- b) How is this process useful in daily life?

12 a) Differentiate between sedimentation and decantation. 3
b) What is meant by Saturated solution?

13 What is the need to separate different components of a mixture? 3
Give examples for each.

14 a) Differentiate between ginning and spinning. 3
b) Cotton clothes are worn during summer.

15 a) Why do organisms require food? Give two reasons. 3
b) Give examples for any two animal products.

OR

Differentiate between herbivores carnivores and omnivores animals with examples.

- 16 Copy the table in your answer script and complete it. 3

Vitamin/Mineral	Symptoms	Deficiency disorders
Iodine		
Vitamin C		
Calcium		
Vitamin B1		
Vitamin D		
Vitamin A		

- 17 a) Distinguish between luminous and non luminous objects with examples. 3

b) State the principle behind the working of a pin hole camera.

- 18 Ramesh added 2-3 drops of copper sulphate and 10-12 drops of caustic soda to milk in a test tube. 3

- What colour change did he observe?
- What does the above colour change indicate?
- Name one animal and one plant source that is rich in the above nutrient.
- Name any two functions of the above nutrient.

OR

- How do you test the presence of starch in food items ?
- Which are the two forms of carbohydrates?

- 19 a) What will happen if garbage is not disposed off? 3

- Why is it illegal to burn leaves and other plant wastes?
- Name any two important methods of garbage disposal.

- 20 You are provided with a mixture of salt , oil and water . Write the steps involved in the separation of each component from the mixture. 3

- 21 Ritik keeps his things in a very organized way. He keeps all his books subject wise in different shelves of his study table. He keeps pencils in one box, pens in another , rulers and erasers in another. 3

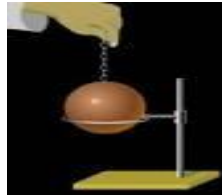
- What value can you learn from Rithik?
- In what way is this value helpful to Ritik?
- Name any two materials with which the book shelves can be made.

- 22 What can we do to minimise overuse of plastics and deal with garbage? (Give any 5 points) 5

Or

Write the different steps involved in constructing a vermicompost .

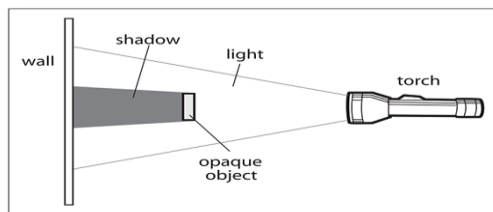
- 23 a) How does a blacksmith change a piece of iron into different tools? 5
 b) Observe the diagram. Before heating, the metal ball slips through the ring. upon heating it does not pass through the ring. What do you understand from this?



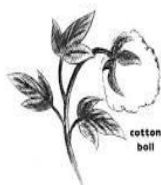
- c) Suggest the ways by which the following changes can be brought about.
 (i) Expansion of mercury
 (ii) Formation of ash
- 24 a) Why are aquatic plants put in an aquarium? 5
 b) Give two examples to show that different objects can be made from one material.
 c) Why do we use glass covering for bulbs?

- 25 Diseases like obesity is random in modern life style. 5
 a) Can you suggest any two ways to overcome this disease?
 b) Our grandmother advice that newborn babies should be exposed to sunlight. Is there any scientific reason for it?

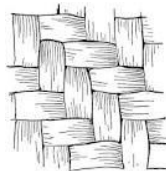
- c) How can we overcome the deficiency of nutrients?
- 26 a) Differentiate between the image formed in a pin hole camera and the shadow of an object.
 b) While playing hide and seek why do you hide behind a wall and not a glass door?
 c) What happens to the size of the shadow when distance between object and the source is increased?



- 27 Observe the figures given and answer the question that follows. 5



A



B



C

- a. Identify the fibre obtained from A and mention any two products produced from this fibre.
 b. Identify the products and differentiate between B and C.