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INDIAN SCHOOL SALALAH
FIRST TERM EXAMINATION – SEPTEMBER 2025



SCIENCE - Code No. 086

Class: VI

Date: 01/10/2025

Time: 3hrs.

Maximum Marks: 80

General Instructions:

- This question paper consists of 6 pages with 37 questions in all.*
- All Questions are compulsory.*
- Questions 1-12 in Section A are multiple choice questions. Each question carries 1 mark. You are to select one most appropriate option out of the four provided.*
- Questions 13 -25 in Section B carry 2 marks each.*
- Questions 26-34 in Section B carry 3 marks each.*
- Questions 35 -37 in Section B carry 5 marks each.*

SECTION A

- Which is an example of a shrub? 1
A. Lemon B. Spinach
C. Mango tree D. Tomato plant
- Boojho comes across an animal having a streamlined and slippery body. What is the habitat of the animal? 1
A. Mountain B. Water
C. Grassland D. Desert
- Deodar trees are found in 1
A. Rajasthan B. Tamil Nadu
C. Himachal Pradesh D. Punjab
- Which cooking advancement is NOT part of modern methods? 1
A. Gas stoves B. Electric grinders
C. Sil-batta D. Microwave ovens
- Which of the following is a rich source of dietary fibers? 1
A. Milk B. Butter
C. Chicken D. Brown rice

- 6 What is used to test for the presence of starch in food? **1**
- A. Iodine solution B. Copper sulphate
C. Caustic soda D. Litmus paper
- 7 When a bar magnet is brought near iron dust, most of the dust sticks: **1**
- A. At the middle and ends B. Near two ends
C. Near the middle D. Equally everywhere
- 8 A magnet always has _____ poles. **1**
- A. One B. Two
C. Zero D. Three
- 9 Neeraj spilled some water on the floor. He cleaned the floor using a mop. Which material is best suited for making the mop? **1**
- A. Iron scrubber B. Plastic sheet
C. Cotton cloth D. Copper sheet
- 10 If three friends are playing hide and seek then where should the friends hide so they do not get caught easily. **1**
- A. Behind a glass door B. Behind a frosted glass window
C. Behind a wooden cabinet D. None of the above
- 11 What purpose does handpicking serve in the process of separation? **1**
- A. Filtration B. Sorting
C. Evaporation D. Decantation
- 12 Which of the following mixtures would you be able to separate using the method of filtration? **1**
- A. Oil in water B. Cornflakes in milk
C. Salt in water D. Sugar in milk

SECTION B

- 13 The plants and animals found in one kind of region are different from those found in another kind of region. How do plants adapt to survive in deserts? **2**
- 14 Here are two types of roots. What differences do you find among the seeds and leaf venation of these plants? **2**



Chickpea plant



Rice plant

- 15 What are climbers and creepers? Give an example for each. **2**

- 16 Pick the odd one out and give reasons: 2
- a. Jowar, Chana, Ragi, Bajra
- b. Fish , Chicken, Butter, Egg
- 17 Mushrooms grow mostly in dark and moist places. Edible mushrooms are good sources of protein. How can you test presence of protein in mushrooms? 2
- 18 How does eating locally grown food contribute to reducing food miles? What impact does this have on the environment? 2
- 19 Column I shows different position in which one pole of magnet is placed near that of the other. Column II indicates the resulting interaction between them for different situations. Fill in the blanks. 2

Column I	Column II
South-South	----A-----
North- ---B--	Attraction
South- North	----C-----
---D-- - North	Repulsion

- 20 A. Metals have a lustrous appearance. Give reason why some metal become dull and lose their shine. 2
- B. List any two examples of non-lustrous materials.
- 21 Differentiate between transparent and translucent materials. 2
- 22 Mixtures of red chilli powder in water, butter in water, petrol in water and honey in water were given to Radha, Sudha, Sofia and Raveena, respectively. Whose mixture is in solution form? Justify your answer. 2
- 23 A. Paheli and Ravi are testing what happens when they stretch different materials. Paheli has a rubber band and Ravi has a wooden stick. They both try to stretch their materials. What will happen to the rubber band and the wooden stick when they are stretched? 2
- B. Write any two materials that are used for making more than one type of an object.
- 24 Identify the picture given below and answer the following. 2

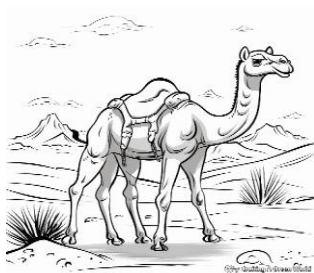


- A. What method of separation is shown in the image?
- B. What type of mixtures can be separated using this method?
- C. Can this method separate salt and water? Explain.

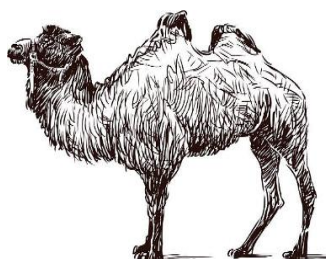
- 25 Match the mixtures in column I with their method of separation in column II. 2

	Column I		Column II
A	Gram flour mixed with black gram	i	Decantation
B	Chalk powder mixed with water	ii	Hand picking
C	Corn mixed with potatoes	iii	Sedimentation
D	Oil mix with water	iv	Sieving
		v	Filtration

- 26 Look at the image of a camel living in the hot desert of Rajasthan and the cold desert of Ladakh. There are similarities and differences between them. 3



A camel living in the
hot desert of Rajasthan



A camel living in the cold
desert of Ladakh

- A. Point out any two differences between them.
B. What is the importance of humps in camels?
- 27 The population of the Bengal tiger, cheetah and great Indian Bustard has declined in India 3
due to loss of natural habitats caused by human activities. The government of India has initiated several projects to conserve our biodiversity.
- A. Define habitat.
B. What is biodiversity?
C. Give an example of a terrestrial habitat and an organism that lives there.
- 28 The table below shows the amount of major nutrients in 100 grams of different food items: 3

Food Item	Carbohydrates (g)	Proteins (g)	Fats(g)	Vitamins and minerals
Rice	78	7	0.5	Low
Milk	5	3.5	4	High
Egg	1.1	13	11	Moderate
Spinach	3.6	2.9	0.4	Very high

- A. Which food item has the highest amount of proteins? What is the main function of proteins?
B. Which food is the best source of energy? Why?
C. Why is spinach called a protective food based on the table?

- 29 A. What are non- magnetic materials? 3
 B. List out the given substances into magnetic and non- magnetic materials.
- | | | | | |
|------------|-------|--------|---------|--------|
| Metal key, | Wood, | Glass, | Rubber, | Needle |
|------------|-------|--------|---------|--------|
- 30 A. You are given a magnet which does not have the poles marked. How can you find its 3
 poles with the help of another magnet which has its poles marked?
 B. Why should we not beat or hammer a magnet?
- 31 What is the correct way of storing a bar magnet? Support your answer with diagram. 3
- 32 State whether the statements given below are true or false. Correct the false statements. 3
 A. Wood is translucent while glass is transparent.
 B. Aluminium foil has lustre while an eraser does not.
 C. Sugar dissolves in water whereas sawdust does not.
 D. The space occupied by matter is its area.
- 33 A. Describe the method to obtain salt from sea water. 3
 B. How can you separate a mixture of sand and iron filings?
- 34 Decantation does not completely separate all the tea leaves from the tea. So we use filtration 3
 method to separate tea leaves from tea.
 A. What is filtration?
 B. What is the name of the solid material left behind and the liquid that passes through
 during filtration method?
 C. Can this process be used to separate dissolved solid components form the liquid? Why?
- 35 Ravi is a 10-year-old boy who lives in a small village. He loves to play outdoors but often 5
 feels tired and weak. His teacher noticed that he gets tired very quickly during sports and
 sometimes complains of dizziness. His parents took him to a doctor, who examined Ravi
 and asked about his diet. The doctor found out that Ravi mostly eats rice and very few fruits
 and vegetables. After some tests, the doctor said Ravi has iron deficiency. He also advised
 him to include a few food items in his diet.
 A. Which deficiency disease is he suffering from?
 B. Suggest any two food items that Ravi should include in his diet to overcome this
 problem
 C. What are deficiency diseases?
 D. What are the significances of a balanced diet?

- 36 A. What is a magnetic compass? 5
- B. You are given a sewing needle, a cork, and a bowl of water. How can you make a simple compass by using the given materials?
- C. List any three uses of magnets.
- 37 A mixture is made up of two or more substances. Separation is the process by which an unwanted component of a mixture is removed to get a desired component. 5
- A. Name and describe briefly a method which can be helpful in separating a mixture of husk from grains. What is the principle of this method?
- B. Define sedimentation.
- C. What are the two disadvantages of decantation?
