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Roll No.



**INDIAN SCHOOL SALALAH**  
**FIRST TERM EXAMINATION – SEPTEMBER 2024**



**SCIENCE (086)**

**Class: VI**

**Date: 23/09/2024**

**Time: 3 hrs.**

**Maximum Marks: 80**

**General Instructions:**

- i) This question paper consists of 4 pages with 37 questions in all.**
- ii) All Questions are compulsory.**
- iii) Questions 1 -12 in Section A are multiple choice questions. Each question carries 1 mark. You should select one most appropriate option out of the four provided.**
- iv) Questions 13-25 in Section B carry 2 marks each.**
- v) Questions 26-34 in Section B carry 3 marks each.**
- vi) Questions 35 -37 in Section B carry 5 marks each.**

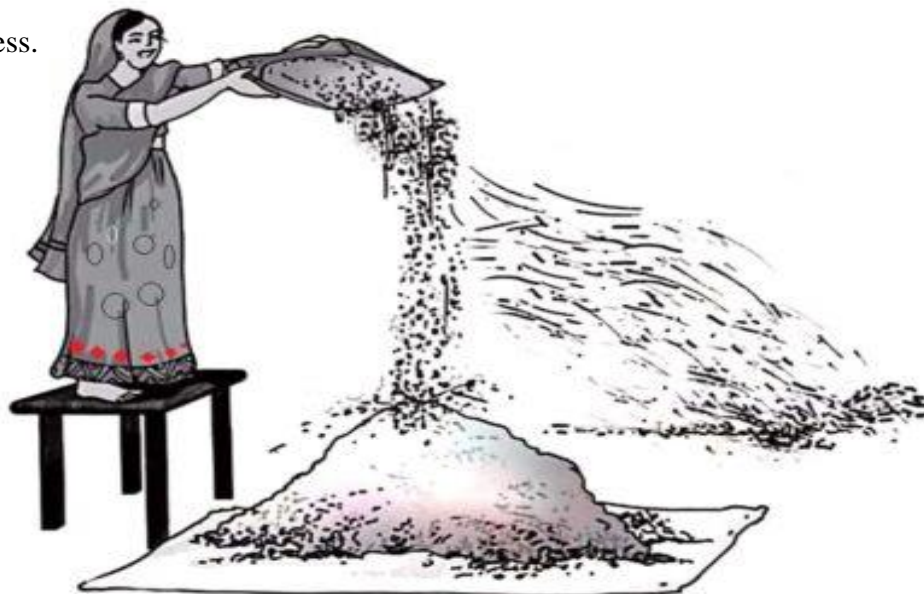
**SECTION A**

1. Which of the following is the formula of carbon dioxide?  
a. CO                      b. CO<sub>2</sub>                      c. C<sub>2</sub>O                      d. CO<sub>3</sub>
2. The method which is used to separate oil mixed with water.  
a. Filtration                      b. Sedimentation                      c. Decantation                      d. Churning
3. Which of the following is an example of an amphibian?  
a. Whale                      b. Frog                      c. Cheetah                      d. Tiger
4. Find the odd one out of the following.  
a. Kidney beans                      b. Green gram                      c. Soya bean                      d. Rice
5. Which of these is an example of a compound?  
a. Hydrogen                      b. Carbon                      c. Common salt                      d. Neon
6. The method which is used to separate the grains from the stalks after harvesting.  
a. Handpicking                      b. Winnowing                      c. Threshing                      d. Sieving

7. Plants whose branches typically start higher up on the stem and away from the ground.
- a. Shrubs                      b. Trees                      c. Herbs                      d. Creepers
8. Which of the following food item is rich in carbohydrates?
- a. Wheat                      b. Beans                      c. Peas                      d. Gram
9. Find out the symbol of the element named Aluminium.
- a. AL                      b. al                      c. Al                      d. None of these
10. The clear liquid obtained after the process of filtration.
- a. Residue                      b. Filtrate                      c. Sediments                      d. None of these
11. Which of the following categories does a money plant belong to?
- a. Tree                      b. Shrub                      c. Climber                      d. Creeper
12. The mineral that people need to build and maintain strong bones and teeth.
- a. Iodine                      b. Calcium                      c. Iron                      d. None of these

### **SECTION B**

13. What are compounds? Write the name of the following compounds.
- a)  $\text{NH}_3$                       b)  $\text{H}_2\text{SO}_4$
14. Observe the picture and identify the name of the method which is used by farmers to separate husk from grains. Explain the process.



15. What are herbs? Give two examples.
16. Why should we include Vitamin C in our diet? Write any two sources of Vitamin C.
17. Write the difference between atom and molecules.
18. Define the following:
- a) Magnetic separation
- b) Evaporation
19. How is terrestrial habitat different from aquatic habitat?

20. What are deficiency diseases? Write the deficiency disease of

a) Vitamin D

b) Iron

21. How can we separate salt from sea water? Explain the steps involved in this method.

22. What is adaptation? What features of deodar trees help to survive in the mountains? (2 points)

23. Differentiate between traditional and modern culinary practices (one point each).

24. How can we group plants based on the number of cotyledons in their seeds? Describe and give one example for each.

25. What are millets? Why are millets also called as nutri-cereals?

26. What are elements? How many elements are present in the universe? Write two examples of elements and their symbols.

27. What is a mixture? Why do we need to separate the components of a mixture? (2 points)

28. What is a habitat? Identify the habitat where the following plant is seen. Write the features of this plant that helps it to survive in this habitat. (2 points)



29. a) Write any two functions of water that is to be included in our diet.

b) We should include roughage (dietary fibres) in our diet. Give reason.

30. a) What is filtration? Write any three applications of filtration in our daily life.

b) Write any one example where sieving method can be used.

31. What are roots? Differentiate between taproots and fibrous roots. (2 points each)

32. a) What are energy-giving foods?

b) How can we test that the given food item contains the presence of starch? Explain the steps involved in this test.

33. a) What body features of fish help it to live in water? (2 points)

b) Camels in the cold desert have two humps each. Give reason.

34. a) What are balanced diet? Write any two sources of animal fats.

b) Why do sportspersons need protein in larger quantities?

35. a) What is separation? Identify the methods of separation given in figure A and B which are used to separate the insoluble solids from liquids. Explain the methods of separation in figure A and B.

b) A piece of cloth can be used as a filter. Give reason.



Fig. A

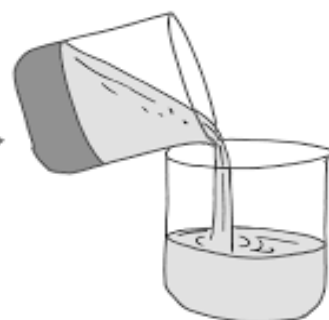
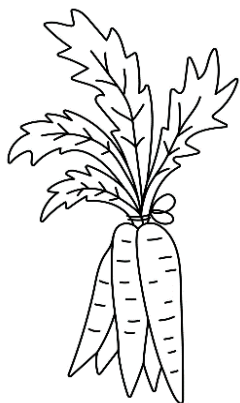
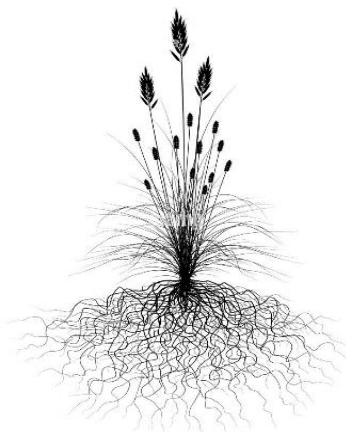


Fig. B

36. a) What is venation? What are the two types of venations and define them? Observe the plants 'A' and 'B' given below. Identify the types of venations in the plants 'A' and 'B'.



A



B

b) Write the difference between a mountain goat and a goat found in the plains (one point each).

37. a) What are nutrients? Why should we include the right amount of protein in the diet of growing children?

b) How can we test that the given food item contains proteins? Explain the process involved in this test.

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