



**ANANDALAYA**  
**PERIODIC TEST - 2**  
**Class: VI**

Subject: Science  
Date: 25-09-2024

MM: 50  
Time: 2 hours

**General Instructions:**

1. This question paper consists of 23 questions. All questions are compulsory.
2. Question paper has four sections: Section A, Section B, Section C and Section D.
3. Section A consists of 11 multiple choice questions carrying 01 mark each.
4. Section B consists of 3 short answer type questions carrying 02 marks each.
5. Section C consists of 6 short answer type questions carrying 03 marks each.
6. Section D consists of 3 long Answer type questions carrying 05 marks each.

**SECTION A**

1. Mahesh is suffering from tooth decay and bleeding gums. Which of the following nutrients in the food would help him to recover? (1)  
(A) Vitamin A and Calcium (B) Vitamin C and Iodine  
(C) Vitamin C and Calcium (D) Vitamin A and Iodine
2. Given below are the steps to test the presence of protein in a given food item. (1)  
(i) Make a paste of powdered food to be tested  
(ii) Add 10 drops of caustic soda solution to the test tube and shake well  
(iii) Take a small quantity of food item in a test tube, add 10 drops of water and shake it  
(iv) Add 2 drops of copper sulphate solution to it.  
Which of the following is the correct sequence for the steps?  
(A) (i),(ii),(iv),(iii) (B) (i),(iii),(iv),(ii) (C) (ii),(i),(iv),(iii) (D) (i),(ii),(iii),(iv)
3. Liquids that completely mix with each other are called \_\_\_\_\_. (1)  
(A) Volatile (B) Miscible (C) Immiscible (D) Insoluble
4. Which of the following is not lustrous in nature? (1)  
(A) Gold (B) Silver (C) Wood (D) Diamond
5. In an activity, Harsh dissolved a small amount of solid copper sulphate in a tumbler filled with water. Which method would you use to get back solid copper sulphate from the solution? (1)  
(A) Decantation (B) Evaporation (C) Sedimentation (D) Condensation
6. Shanaya gave Tanay a glass of ice cold water to drink. However, Tanay observed some water droplets on outer surface of the glass and asked Shanaya about the reason behind this. What will Shanaya answer? (1)  
(A) Evaporation of water from the glass (B) Evaporation of atmospheric water vapour  
(C) Condensation of water from the glass (D) Condensation of atmospheric water vapour
7. Which of the following is not a primary function of the stem? (1)  
(A) Conduction of water (B) Photosynthesis  
(C) Formation of branches (D) Bears flowers and fruits
8. Which of the following joints is immovable? (1)  
(A) Shoulder and arm (B) Knee and joint  
(C) Lower jaw and Upper Jaw (D) Upper jaw and skull

For question numbers 9 to 11, there are two statements viz., Assertion (A) and Reason (R) select the correct answer to these questions from options (A), (B), (C) and (D) as given below:

- (A) Both (A) and (R) are true and (R) is the correct explanation of (A)
- (B) Both (A) and (R) are true but (R) is not the correct explanation of (A).
- (C) (A) is true but (R) is false.
- (D) (A) is false and (R) is also false.

9. (A): A substance gets dissolved more in cold water as compared to hot water. (1)  
(R): Solubility decreases with increase in temperature.
10. (A): Lamina of the leaf is green and helps in photosynthesis. (1)  
(R) : It is green in colour due to presence of a green coloured pigment.
11. (A): Pivot joint allows movement in all the directions. (1)  
(R): In a pivot joint, rounded end of one bone fits into hollow socket of other bone.

### SECTION B

12. Explain the principle of threshing using an example. (2)
13. Can the stem of a plant be compared with a street with two ways traffic? Give reason. (2)
14. What would happen if our backbone was made up of only one long bone instead of many vertebrae? (2)

### SECTION C

15. Ramesh accidentally spilled sand in a container with water. How will you help him to remove sand from water? (3)
16. (a) Observe the image shown below. On the basis of which property, the mixture gets separated in the process here? (3)

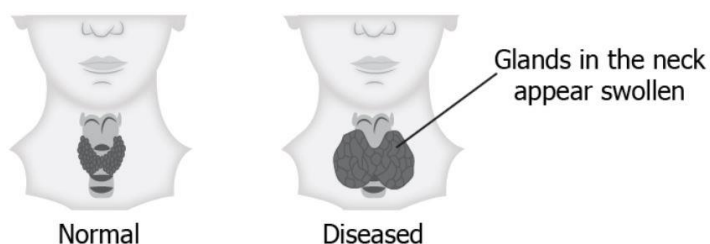


- (b) When milk, cooled after boiling, is poured onto a piece of cloth, the cream (malai) is left behind on it. This process of separating cream from milk is an example of \_\_\_\_\_.
- (c) Both Sarika and Mohan were asked to make salt solution. Sarika was given a teaspoonful of salt and half a glass of water, whereas Mohan was given twenty teaspoons full of salt and half a glass of water. Who would be able to prepare saturated solution?
17. You are given three materials: water, sand, and oil. Now pour all the three at the same time in one container without disturbing them. How will these liquids be arranged from top to bottom? Justify your answer. (3)
18. (a) Radha prepared dal, chapati, boiled rice and vegetable curry for a lunch. Mention one ingredient used by her all these food items. (3)  
(b) The followings are some ingredients used by a baker to make a cake.  
Flour, Egg, Milk, Choco powder, Butter, Cream, sugar  
List out the names of the ingredients which are animal-based products.  
(c) Define: 'Balanced diet'.

19. Identify the incorrect statements and also write the correct ones. (3)
- Anther is a part of pistil.
  - Lateral roots are present in tap root.
  - The visible part of a bud are the petals.
20. The type of leaf venation and root in plants are related in an interesting way. Explain this statement using relevant examples. (3)

### SECTION D

21. Answer the following. (5)
- What is ball and socket joint?
  - Which of the skull bones are movable?
  - Why can't our elbow move backwards?
22. (a) The image shows a common symptom of a nutrient deficiency. Identify the nutrient deficiency responsible for this bodily condition. (5)



- Write down the name of the deficiency diseases of iron and Calcium. Also mention the symptoms for each deficiency.
  - A katori (bowl) of carbohydrate rich food will give much more energy than a katori of fat rich food, True or false.
23. (a) List out two materials that are used for making more than one type of objects. (5)
- Why are different materials required to make different kinds of objects?
  - An empty metallic bottle, glass bottle and plastic bottle, each of same size were lowered by applying similar force, into a bucket filled with water. Which of these bottles will sink in water when the force is removed?