

DAV PUBLIC SCHOOLS, ODISHA
PERIODIC ASSESSMENT-I (2023-24)

- Check that this question paper contains **3** printed pages.
- Check that this question paper contains **19** questions.

SUB: SCIENCE
CLASS-VI

Time allowed: 1hour 30 minutes

M. M.: 40

General Instructions:

- 1. All questions are compulsory.**
- 2. There are 19 questions in the question paper.**
- 3. Marks are indicated against each question.**
- 4. Questions from 1 to 8 are very short answer type (VSA) questions carrying 1 mark each.**
- 5. Questions number 9 is Assertion-Reason (A/R) Based question and carries one mark only.**
- 6. Questions from 11 to 14 are short answer type questions (SA-1) and carry 2 marks each.**
- 7. Questions from 15 to 17 are short answer type questions(SA-II) and carry 3 marks each.**
- 8. Question number 18 and 19 are long answer type questions (LA) and carry 5 marks each.**

- 1. Make a food chain using the following living organisms. (1)**
(owl, grass, grasshopper, frog, snake)
- 2. Mention the state of matter which shows maximum diffusion. (1)**
- 3. Write the full form of PEM. (1)**
- 4. List the abiotic components. (1)**
- 5. Identify the property of tumbler which is shown in the picture. (1)**



6. Name the process shown in the given picture.

(1)



7. Compare the arrangement of particles in liquid and gas through diagram (draw). (1)

8. Scavengers are called environment cleaner. Give reason.

(1)

Assertion and Reason, Direction: In question number 9, there are two statements marked as Assertion (A) and Reason (R) .Mark your answer as per the codes provided below.

a) Both assertion and reason is true and reason is the correct explanation of assertion.

b) Both assertion and reason is true and reason is not correct explanation of assertion.

c) Assertion is true and reason is false.

d) Assertion is false and reason is true.

9. **Assertion** : A person with obesity has many health problems.

Reason : In obesity, the body gets extra calories which get stored below the skin. (1)

10. Green plants make their food themselves on their leaf's surfaces. There are some green colour pigments present called chlorophyll. The synthesis of food in plants occurs in their leaves hence leaves are called food factory of plants. Photosynthesis helps to maintain balance between oxygen and carbon dioxide in the atmosphere. Chlorophyll absorbs sunlight and gives energy. At the end of photosynthesis process, carbohydrate and oxygen are formed. Carbohydrate is used as food and oxygen is emitted out to the atmosphere. (1x4=4)

I. Green coloured pigment on leaf surface is known as _____

(a) Stomata (b) Photosynthesis (c) Chlorophyll (d) Energy

II. _____ are known as kitchen of plants.

(a) Stem (b) Plants (c) Leaves (d) Roots

III. _____ is emitted out to the atmosphere after photosynthesis.

- (a) Oxygen (b) Energy (c) Carbon dioxide (d) Air

IV. _____ helps to maintain balance between oxygen and Carbon Dioxide.

- (a) Stomata (b) Photosynthesis (c) Minerals (d) Autotrophs

11. X is a material which we use in our daily life, especially to make bags out of it, but this material is a threat to our environment as it cannot be decomposed by the microorganisms and thus accumulates in the nature. (2)

(a) Identify this material X .

(b) Mention any one harmful effect that it causes to our atmosphere.

12. Camels can tolerate the extreme heat of the desert. Give reason in support of the statement. (2)

13. Do ice float in water? Give reason for your answer. (2)

14. Nuts, jaggery and green leafy vegetable are rich in this particular mineral whose deficiency leads to a disease called as Anaemia. It is also needed for the formation of a component in red blood cells.

a. Identify this Mineral along with the component of red blood cells which it forms. (1)

b. Mention the function of this component of red blood cells. (1)

15. Rain water harvesting in cities and urban areas is a blessing to mankind. Explain its advantages. (3)

16. a. State the role of calcium in our body. (1)

b. Write the two functions of roughage in our body. (2)

17. A person lives in a mountainous region, the drinking water and the food grown in this area are poor in a mineral A. The deficiency of A in the body leads to a disease called as B. The disease B doesn't occur in people living in coastal areas.

a. Name the gland where the swelling occurs in the neck region due to the deficiency of this mineral A. (1)

b. Why is the disease B commonly seen in people of mountainous region? (1)

c. Identify A and B. (1)

18. a. Define saturated solution. (1)

b. Write the steps to prepare a saturated solution of sugar in water. (4)

19. a. Describe a test for detecting the presence of starch in a given food item. (3)

b. Write the deficiency disease caused due to the lack of vitamin C. (1)

c. Name two water soluble vitamins. (1)