

DAV PUBLIC SCHOOLS, BHUBANESWAR
PERIODIC ASSESSMENT-I (2022-23)

1. Please check that this question paper contains 4 printed pages.
2. Check that this question paper contains 19 questions.
3. Write down the Serial Number of the question in the left side of the margin before attempting it.
4. 15 minutes has been allotted to read this question paper. The question paper will be distributed 15 minutes prior to the commencement of the examination. The students will read the question paper only and will not write any answer on the answer script during this period.

CLASS - VI

SUBJECT: SCIENCE & TECHNOLOGY

Time Allowed :1¹/₂ Hours

Maximum Marks: 40

General Instructions:

- 1) This question paper is divided into five sections A, B, C, D and E.
- 2) Section-A consists of 8 questions (VSA) of 1 mark each.
- 3) Section-B consists of 1 Reason-Assertion based question of 1 mark and 1 Case based question of 4 marks.
- 4) Section-C consists of 4 SA-I type questions of 2 marks each.
- 5) Section-D consists of 3 SA-II type questions of 3 marks each.
- 6) Section-E consists of 2 long type questions of 5 marks each.

SECTION-A

1. Name any two animals active during the night time.
2. Pigeon-chest is seen in case of some children. Which vitamin deficiency in the diet leads to such deformity?
3. Shopkeepers prefer to keep biscuits and sweets in a glass or plastic container. State which property of matter is used in the above case?
4. What is the nutrient rich organic fertiliser prepared by earthworms called as?
5. Define diffusion.
6. Find out which among the following are opaque materials:
tissue paper, wall, muddy water, mirror.
7. Name any two gases which do not dissolve in water.
8. Give two examples of synthetic materials.

SECTION-B

9. **DIRECTION:** In the following questions, a statement of **assertion (A)** is followed by a statement of **reason(R)**. Mark the correct choices as:

- (a) Both the assertion (A) and reason (R) are true and reason (R) is the correct explanation of assertion (A)
- (b) Both assertion (A) and reason (R) are true but reason (R) is **not** the correct explanation of assertion (A)
- (c) Assertion (A) is true but reason (R) is false.
- (d) Assertion (A) is false but reason (R) is true.

Assertion (A): Photosynthesis is a process of preparing food by producers.

Reason(R): Primary consumers can perform photosynthesis.

10. **Read the paragraph carefully and answer the following questions given below.**

Minerals and vitamins are equally important and required for growth and maintenance of the body. Lack of these nutrients in our diet leads to various deficiency diseases. Reena is a student studying in standard VI. Reena do not consume a proper healthy diet. She appears pale and weak. She becomes tired easily. Slowly she showed certain symptoms like loss of appetite, whitening of nails and swelling of her hands and feet.

(a) Reena suffers from which type of deficiency disease?

- i. Goitre
- ii. Kwashiorkor
- iii. Anaemia
- iv. Rickets

(b) Name the nutrient Reena did not take in proper amount in her diet.

- i. Iodine
- ii. Calcium
- iii. Vitamin D
- iv. Iron

(c) Reena feels weak due to which of the following reason?

- i. She does not drink proper amount of water regularly.
- ii. She consumes too much of outside food.
- iii. Due to low haemoglobin content in blood.
- iv. She does not consume iodised salt.

(d) Which type of food she should consume for helping her getting cured from the deficiency disease?

- i. Sea food, iodised salt
- ii. Cereals, pulses, milk
- iii. Meat, egg, fish
- iv. Green leafy vegetables, nuts, jaggery

SECTION-C

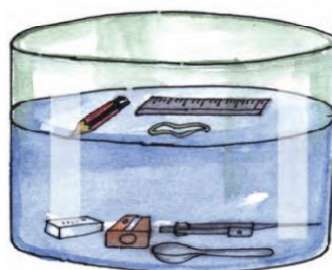
11. Construct a terrestrial food chain sequentially using the following organisms.
(a) Rat, vulture, paddy, snake
(b) Frog, eagle, grasshopper, snake, grass
12. "Some individuals have a tendency to eat more than what is needed by their body."
(a) What type of disease the individual will suffer from?
(b) Write one cause for the above disease.
13. Show the 'arrangement of particles' in case of solids and gases with the help of suitable diagram(s).
14. "Plastic affect our environment adversely." Mention any two steps that can be taken to reduce the amount of plastic from our environment.

SECTION-D

15. Draw a flowchart showing the balance between the amount of oxygen and carbon dioxide in the atmosphere.
16. Describe an activity to detect the presence of starch in the food sample.
17. (a) Which property of matter do you observe in fig. A and B?



(Figure – A)



(Figure – B)

- (b) You might have observed while opening soda water bottle bubbles of gas 'X' comes out. Name the gas 'X'.

SECTION-E

18. (a) A, B, C are the three components of our food. A and B both provide us energy but A provides twice as much as that provided by an equal amount of B. The components C has no food value but it prevents from constipation and helps in the normal functioning of the digestive system.
- Identify the components A, B, C
 - Name one food each which could provide us A, B, C
- (b) Write any two problems or symptoms seen in case of a child suffering from Kwashiorkor.

19. a. Write two importance of rain water harvesting.
- b. How does decomposition of dead animals turn out to be useful?
- c. State the difference between biodegradable and non-biodegradable materials. (any one point)
