



विद्या सर्वार्थ साधिका

# ANANDALAYA

## PERIODIC TEST - 2

Class : VI

Subject: Science  
Date : 27-09-2023

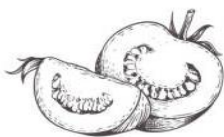
MM : 50  
Time: 2 hours

### 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 1 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

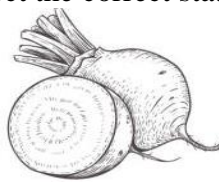
1. The four students Sam, Ana, Rina and Salim measured the length of a table which was found (1)  
to be about 2 metres. Each of them used different techniques to measure it. Which one of  
them would get the most accurate length?  
(A) Sam measured it with a half-metre-long thread.  
(B) Ana measured it with a 15 cm scale.  
(C) Reena measured it using her hand span.  
(D) Salim measured it using a 5 m long measuring tape.
2. Mansi observed the shadow of a tree at 8:00 a.m., 12:00 noon and 3:00 p.m. Which of the (1)  
following statements is near to her observation about the shape and size of the shadow of the  
tree she observed?  
(A) The size of the shadow remains the same but the shape of the shadow of the tree changes.  
(B) The shape and the size of the shadow of the tree changes.  
(C) Neither the shape nor the size of the shadow of the tree changes.  
(D) The shape of the shadow remains the same but the size of the shadow of the tree changes.
3. Which of the following allows light to pass through it easily? (1)  
(A) A metal plate (B) A glass tumbler  
(C) A wooden door (D) A book
4. Identify the correct statement from the given: (1)  
(A) Chalk dissolves in water.  
(B) A notebook has lustre while an eraser does not.  
(C) Copper and Aluminium are hard and have lustre.  
(D) Sugar does not dissolve in water.
5. Condensation takes place only when \_\_\_\_\_ (1)  
(A) water vapour hits a cold surface (B) water vapour changes into solids  
(C) water vapour remains at the same (D) water vapour hits a hot surface  
temperature
6. Identify the figures W, X, Y and Z. Select the correct statement regarding these. (1)



W



X



Y



Z

- (A) W and Y can grow into new plants (B) W is eaten as a fruit not as a vegetable
- (C) Y is a root that stores food. (D) X is a root and Z is an underground stem

7. Pollen grains are produced in \_\_\_\_\_ . (1)  
(A) Anther (B) Filament  
(C) Stigma (D) Style
8. Which of the following combination of features are observed in paddy plant? (1)  
(A) Parallel venation and tap root (B) Reticulate venation and fibrous root  
(C) Reticulate venation and tap root (D) Parallel venation and fibrous root

For question numbers 9 to 11, select the correct answer to these questions from the codes (A), (B), (C) and (D) as given below:

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

9. Assertion: When light falls on the mirror it gets reflected. (1)  
Reason: Light gets reflected when light falls on an opaque object.
10. Assertion: The leaves are green in colour and stores starch. (1)  
Reason: The leaves have chlorophyll pigment and perform transpiration process.
11. Assertion: The process of conversion of water to its vapour by heating the liquid is called (1)  
evaporation.  
Reason: The process of conversion of water vapours to liquid by cooling the vapours is called condensation.

### SECTION B

12. State two precautions which should be taken while using a metre scale to measure the length (2)  
of an object.
13. Write any four properties of materials based on which they can be grouped. (2)
14. Read the following passage on Vitamins: (2)  
'P' helps to maintain strong eyesight and healthy skin. 'Q' is required for normal growth of bones in children. 'R' is essential for proper functioning of muscles. 'S' is needed for strong tooth gums. Identify the vitamins 'P', 'Q', 'R' and 'S'.

### SECTION C

15. What type of motion do the following objects exhibit? (3)  
(a) Sewing machine's needle  
(b) Galloping of a horse  
(c) Blades of an electric fan  
(d) Movements of a mosquito  
(e) Wheels of a moving car.  
(f) Smoke from a lighted dhoopbatti
16. Write a scientific reason for the following statements: (3)  
(a) The moon is a non-luminous body yet it is visible to us.  
(b) The image formed by a pinhole camera is always inverted.  
(c) A mirror is silvered on only one side.

17. A brief information about three substances is given: (3)  
 X : Transparent, Smooth to touch and insulator  
 Y : Hard to touch, good conductor of heat and electricity and lustrous  
 Z : Man-made material, an insulator, used to makes switches and handles of cooking utensils  
 Sort the following materials given below under X, Y and Z respectively.

Copper, Tree bark, Gold, Plastics, Silver, Mirror, Ice, Glass

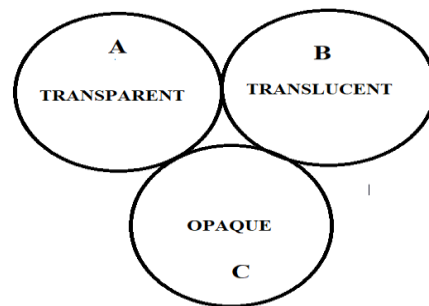
18. (a) List any two uses of water in our body. (3)  
 (b) Name any two animal sources of proteins.
19. (a) Observe the given figure of **Plant A** carefully and name it. (3)



**Plant A**

- (b) Is it an herb or a shrub? Write a scientific reason for your answer.  
 (c) Draw the leaf of the given plant and label its petiole and lamina.
20. Draw the circles A, B and C and fill them with appropriate objects from the box given below. (3)

Oiled paper, Air, Diamond,  
 Sun glasses, Clean water, Wood piece



### SECTION D

21. Write an experiment to demonstrate that the light travels in a straight line. Support your answer with a neat labelled diagram. (5)
22. (i) Which method will you use to separate the substances present in the following mixtures: (5)  
 (a) Oil in water  
 (b) Powdered salt and chalk pieces  
 (c) Husk and rice  
 (d) Chana soaked in water  
 (ii) Draw a diagram to show separation methods of salt and water from salt solution.
23. (a) List any two functions of roots. (5)  
 (b) What is pistil? Name the various parts of pistil.  
 (c) Write one difference between transpiration and photosynthesis.