PERIODIC TEST - 2

Class VI **SCIENCE** **Time : 1½ hrs.**

SET A **Marks : 40**

SECTION - A

1. Which process should be used for small piece of metals from engine oil?

   a) Sublimation b) Evaporation c) Filtration d) Decantation **1**

2. A mixture of coconut oil and water can be separated by .....

   a) winnowing b) sedimentation c) decantation d) evaporation **1**

3. In plants, food is transported through

   a) Guard cells b) Stomata c) Phloem d) Xylem **1**

4. Combination of feature find in grass are

   a) Reticulate venation and tap root b) Parallel venation and fibrous root

   c) Reticulate venation and fibrous root d) Parallel venation and tap root **1**

OR

In parallel venation the veins are

   a) Hexagonal shape b) Intersecting to one another

   c) Interlinked in network d) Veins are parallel to another

5. An object that allows the partial passing of light through it is called.

   a) Transparent object b) Reflecting object

   c) Translucent object d) Opaque object **1**

OR

The colour of shadow

   a) Depends upon colour of the object b) Depends upon size of the object

   c) Is always black d) Is always coloured

6. How will you separate mango from a mixture of mango and apple? **1**

OR

How can you separate grains from stalk?

7. Generally, a leaf performs the function of photosynthesis. Does the stem prepare food for any plant? **1**

8. Burning candle cannot be seen through a bended tube. Why? **1**

9. What happen when light strikes a transparent body like glass? **1**

OR

If an object is of two different colours, then what will be the colour of shadow?

10. Match the following : **2**

Column A	Column B
a) Herbs	i) Take support at neighbouring structure
b) Shrubs	ii) Woody single stem that form branches
c) Tree	iii) Weak, soft stem not able to stand
d) Creepers	iv) Can not stand upright and spread on ground
	v) Many stem emerging from root

SECTION - B

In the following questions (No. 11-12) a statement of Assertion followed by a statement of Reason is given. Choose the correct answer out of the following choices. 2 × 1 = 2

a) If both the assertion and the reason are true and the reason is a correct explanation of the assertion.

b) If both the assertion and reason are true but the reason is not a correct explanation of the assertion.

c) Assertion is true but reason is false

d) Assertion is false but reason is true.

11. Assertion (A) : The process of conversion of liquid water to its vapours by heating the liquids called evaporation.

    Reason (R) : The process of conversion of water vapours by cooling the vapour is called condensation.

12. Assertion (A) : Shadow forms when light falls on a wooden block.

    Reason (R) : Wood is an example of an opaque object.

13. **Read the passage given below and answer the following questions. 4 × 1 = 4**

Dirt can be separated by many ways. Make a mixture of dry sand with sawdust or powdered dry leaves. Take your mixture to an open ground and stand on a raised platform. Put the mixture in a plate or sheet of paper. Hold the plate or the sheet of paper containing the mixture, at your shoulder height. Tilt it slightly, so that the mixture slides out slowly. While the other way in a flour mill, impurities like husk and stones are removed from wheat before grinding it. Usually, a bagful of wheat is poured on a slanting sieve.

i) The separation of grains from husk is done by the process of

a) Threshing b) Sieving c) Winnowing d) Handpicking

ii) The property which forms the basis of sieving is

a) difference in colour b) difference in size

c) difference in shape d) difference in weight

iii) A mesh which is used to separate things on the basis of their difference in size?

a) Sieve b) Thresher c) Filter paper d) None of these

iv) The method used to separate the components of different sizes in a mixture using a sieve is called .....

SECTION - C

14. Lemonade is prepared by mixing lemon juice and sugar in water. You wish to add ice to cool it. Should you add ice to the lemonate before or after dissolving sugar? In which case would it be possible to dissolve more sugar? **2**

OR

How does one separate grain seeds from their stalks?

15. Is it right to call the leaf as food factory of the plant? Justify your answer. **2**

OR

Roots are necessary to keep the plants healthy and alive. Explain.

16. A football match is being played at night in a stadium with floodlights ON. You can see the shadow of a football kept at the ground but cannot see its shadow when it is kicked high in the air. Explain. **2**

17. Describe the method to obtain pure salt from rock salt. **3**

OR

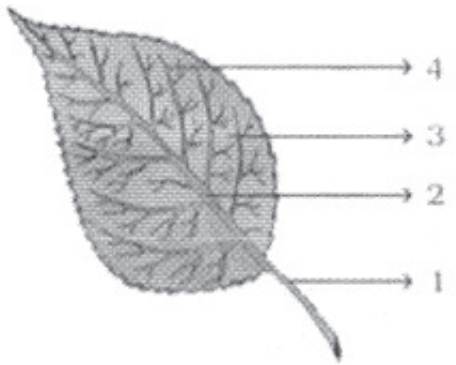
What is sieving? Where is it used?

18. Observe figure and attempt the questions that follow it.

a) Label the parts 1, 2, 3 and 4 in the diagram.

b) What type of venation does the leaf have?

c) What type of venation is seen in grass leaves? **3**



19. Classify the following as transparent, translucent and opaque object. **3**

Brick, butter paper, air, cardboard, metals, book, smoked glass, water, cellophane paper.

OR

Differentiate between a luminous and non-luminous objects.

20. Explain an activity to test the presence of starch in a leaf. **4**

21. A sheet of plywood, a piece of muslin cloth and that of transparent glass, all of the same size and shape were placed at A one by one in the arrangement shown in figure. Will the shadow be formed in each case. If yes, how will the shadow on the screen be different in each case? Give reasons for your answer. **4**

OR

Explain with the help of a diagram that how can we see an image behind wall using a periscope.

PERIODIC TEST - 2

Class VI **SCIENCE** **Time : 1½ hrs.**

SET B **Marks : 40**

SECTION - A

1. When ice cold water is poured in glass, water droplets appear on its outer surface of glass due to

   a) Evaporation of water from the glass b) Seeping of water through wall of glass

   c) Condensation of water vapour d) Filtration of water through glass **1**

2. A solution is a

   a) Pure mixture b) Impure mixture

   c) Homogeneous mixture d) Heterogeneous mixture **1**

3. Which is not the primary function of stem?

   a) Conduction of water b) Photosynthesis

   c) Bear flower and fruit d) Formation of branches **1**

4. The main root of dicotyledonous plant is called

   a) Tap root b) Prop root c) Stilt root d) Fibrous root **1**

OR

Small plant with soft, delicate and green stem are called

a) Shrubs b) Climber c) Herbs d) Tree

5. The image formed by pin hole camera is

   a) Virtual and inverted b) Virtual and erect

   c) Real and inverted d) Real and erect **1**

OR

Rectangular shadow cannot be obtained by

a) Ball b) Shoe box c) Television d) Mobile handset

6. What is evaporation? **1**

OR

You are given a mixture of salt and sand. Can you separate them by hand picking?

7. Money plant is an example of creeper. Do you agree? Explain. **1**

8. How does light travel from one point to the other? **1**

9. In a complete dark room, we are not able to see our face. Why? **1**

OR

Do the shadows look different in colour when the colours of the objects are different?

10. Match the following : **2**

Column A	Column B
a) Reproductive structure in plants	i) Ovary
b) Process by which plants makes food	ii) Stomata
c) Root in which food is stored	iii) Photosynthesis
d) Flower's part that contain ovule	iv) Flower
	v) Radish

SECTION - B

In the following questions (No. 11-12) a statement of Assertion followed by a statement of Reason is given. Choose the correct answer out of the following choices. 2 × 1 = 2

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b) If both the assertion and reason are true but the reason is not a correct explanation of the assertion.

c) Assertion is true but reason is false

d) Assertion is false but reason is true.

11. Assertion (A) : A solution that is capable of dissolving more of solute at the given temperature is known as saturated solution.

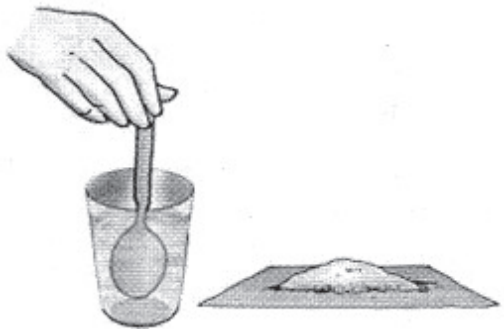
    Reason (R) : A saturated solution on heating becomes unsaturated solution.

12. Assertion (A) : Shadow is formed when an opaque object comes in the path of light.

    Reason (R) : An opaque body does not allow any light to pass through it.

13. **Read the passage given below and answer the following questions. 4 × 1 = 4**

We found that many substances dissolve in water and form a solution. We say that these substances are soluble in water. What will happen if we go on adding more and more of these substances to a fixed quantity of water.



i) When no more salt dissolve in water at a particular temperature, then the solution at that temperature is called?

a) unsaturated b) supersaturated c) saturated d) none of these

ii) A solution is said to be saturated if

a) It can dissolve more substance

b) Both it cannot dissolve more of the substance in it and it can dissolve more substance

c) It cannot dissolve more of the substance in it

d) None of these

iii) An example of a heterogeneous mixture is

a) fresh air b) dirty water c) fresh water d) sugar solution

iv) ..... substance contains particles of only one type.

SECTION - C

14. Paheli was feeling thirsty but there was only a pot of water at home which was muddy and unfit for drinking. How do you think Paheli would have made this water fit for drinking if the following materials were available to her. Think Paheli would have made this water fit for drinking if the following materials were available to her.

alum, tub, muslin cloth, gas stve, thread, pan and lid **2**

OR

What is the principle of threshing?

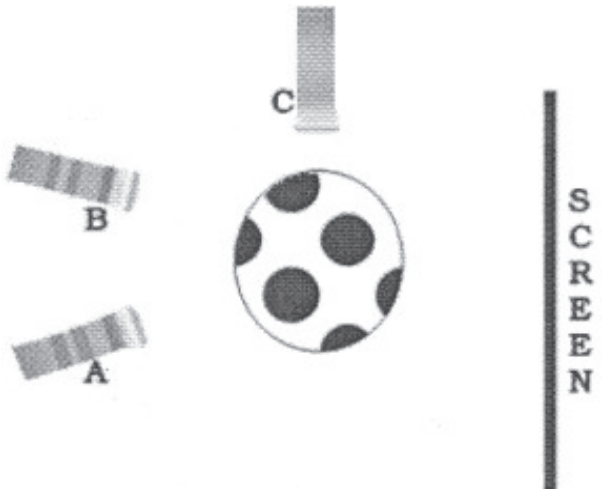
15. Will a leaf taken from a potted plant kept in a dark room for a few days turn blue black when tested for starch? Give reason for your answer. **2**

OR

A plant is found to have tap root. Can you suggest what kind of venation its leaves has?

16. What is an incandescent body? Give example. **2**

17. Three torches A, B and C have shown in figure are switched on one by one. The light from which of the torches will not form a shadow of the ball on the screen. **3**



OR

Using a pinhole camera, a student observes the image of two of his friends standing in sunlight wearing yellow and red shirt respectively. What will be the colours of the shirts in the image?

18. What is winnowing? Where is it used? **3**

OR

What is decantation?

19. Boojho wanted to test the presence of starch in leaves. He performed the following steps.

    1. He took a leaf and boiled it in water
    2. He placed the leaf in a petri dish and poured some iodine over it.

    He did not get the expected result. Which step did he miss? Explain. **3**

20. Explain the structure of a typical flower with the help of a diagram. **4**

21. On a sunny day, does a bird or an airplane flying high in the sky cast its shadow on the ground? Under what circumstances can we see their shadow on the ground? **4**

OR

A football match is being played at night in a stadium with flood lights ON. You can see the shadow of a football kept at the ground but cannot see its shadow when it is kicked high in the air. Explain.