

DAYANAND ANGLO VEDIC PUBLIC SCHOOL, AIROLI
PERIODIC TEST-II SAMPLE PAPER (2024-2025)

STD-VI
DATE-

SUBJECT- SCIENCE

MAX.MKS. 50
DURATION-2hrs.

GENERAL INSTRUCTIONS—

- 1) There are 24 questions in the question paper. All questions are compulsory
- 2) Section A consists of question number 1 to 12. They carry one mark each.
- 3) Section B consists of question number 13 to 16. They carry two marks each.
- 4) Section C consists of question number 17 to 20. They carry three marks each.
- 5) Section D consists of question number 21 and 22. They carry five marks each.
- 6) Section E consists of question number 23 and 24. They carry four marks each.

SECTION – A

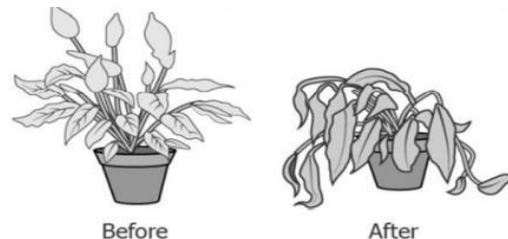
12X1=12M

1. The state of matter that have no fixed shape and no definite volume _____
a) Liquids and solids b) gas and liquids c) gases only d) liquids only
2. A pure substance is something that _____
a) is safe to eat b) smells good c) good for health d) in which all the particles are same
3. Which of these is an invertebrate?
a) frog b) Cow c) Earthworm d) Goat
4. Tap root is found in ----- plant.
a) Grass b) Wheat c) Rice d) Mustard
5. The energy associated with wind, is an example of _____
a) chemical b) kinetic c) potential d) light
6. Leaves are attached to the stem at the -----.
a) internode b) node c) pedicel d) stalk
7. A substance that sublimates easily is _____
a) naphthalene b) salt c) sugar d) chalk

8. The image shows a plant it was left near a sunny window un-attended for few weeks.

What can be concluded based on the observation?

- (a) Water is essential for plants to survive
- (b) Presence of water makes the leaf green
- (c) Plants grow stronger in the absence of water
- (d) Plants can absorb water from the atmosphere



9. We can separate the mixture of sugar and sand by_____
- a) hand picking and winnowing b) filtration and evaporation
c) sieving and magnetic separation d) winnowing and sieving

Following (Q.10 to Q.12) are Assertion reason questions.

- a. Assertion and reason are correct and reason is the correct explanation of assertion.**
b. Assertion and reason both are correct but reason is not the correct explanation of assertion.
c. Assertion is true and reason is false.
d. Assertion is false but reason is true

10.Assertion- Energy exists in many common forms.

Reason- Energy is the capacity to do work.

11.Assertion- A fruit is defined as a mature or ripened ovary.

Reason- Fruit does not protect the seed.

12. Assertion- Mixtures consists of only one kind of substances.

Reason – Mixtures are classified as homogeneous and heterogeneous.

SECTION- B

4X2=8M

13. Differentiate between- Mesophytes and Xerophytes

OR

Vertebrates and Invertebrates

14. a) Observe the figure and identify the type of motion.
b) Give 2 more examples of this type of motion.



15. Write any two characteristics of living things.

16 A cup of tea is said to be a mixture. Name its various components. Also name the method by which tea leaves are separated from prepared tea.

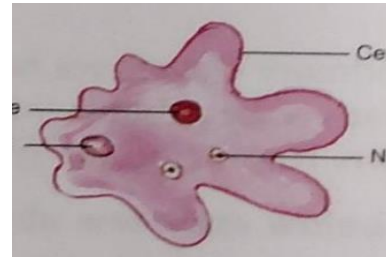
SECTION-C

4x3=12M

17. How do you classify the animals on the basis of mode of reproduction? Give one example of each.

18. Look at the figure and answer the following-

- Identify the organism.
- Classify it on the basis of number of cell.
- Give 2 more examples of this type of organisms.



OR

18. Name any three types of motion and give one example of each.

19. Write two examples of each.

- Flowering plants
- Biennial plants
- Sublimating substances

20. Write any three functions of Fruit.

SECTION- D

5X2=10M

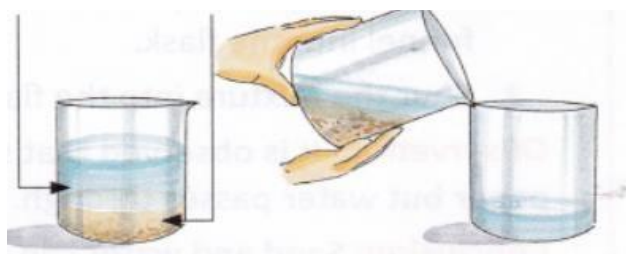
21. Ravi conducted an experiment in which he filled a glass with one-third of the water. He added a drop of red ink into that glass and then stirred it for few minutes. After that he made an oblique cut at the base of the stem of a tender twig and then put it into the water as shown in the image.

- What did Ravi observe in this experiment?
- What did he conclude from this activity?
- Why did he put a drop of red ink in the water?
- Write two more functions of stem.



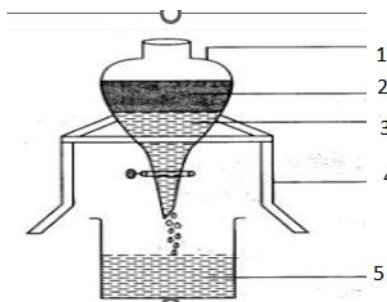
22. Observe the figure and answer the following questions-

- Identify the activity.
- Name the materials used.
- What do you conclude from this activity?
- Define both the processes.



OR

- Identify the activity.
- Label the parts 1,2,3,4 and 5
- What do you conclude from this activity?
- Name two soluble liquids.



SECTION-E

4X2=8M

23. Suppose we have two carts – P and Q. Both having the mass of 50kg. Cart P moves 1km and cart Q moves 2km after applying force.

Answer the following questions based on the above information. (any 4)

- Which cart has done more work? Why?
- Name the factors affecting the work done.
- Define Work.
- What is force?
- Define Energy.

24. The flower of a plant has two reproductive organs X and Y. The organ X is flask shaped whose sticky top part is A, the central part is a long tube B and the swollen part at the bottom is C. The part C contains tiny structures D. The organ Y consists of a long stalk having a swollen top E. The top E contains a powdery substance F. Based on this information answer the following questions. (any 4)

- What are X and Y?
- Name A, B, C and D.
- What are E and F?
- What will part C become after fertilization?
- What will structure D become after fertilization?