



Name \_\_\_\_\_

Roll No. \_\_\_\_\_

Time allotted: 2 hr 30 mins

**Final Term Test (2024-2025)**

Class IV\_\_

**M.M: 60**

**Date: 27.02.2025**

**Subject: Science**

**Section A**

**I. Choose the correct answer.**

**(8)**

1. Which of the following plants have a special feature to help them float or stay under water?

- a) Terrestrial plants      b) Aquatic plants      c) Desert plants      d) All the above

2. The fine droplets observed on the leaves of plants and grass during winter mornings are due to \_\_\_\_\_

- a) snow      b) hailstones      c) fog      d) dew drops

3. Which of the following is soluble in water?

- a) Sugar      b) Salt      c) Stone      d) Both a and b

4. Identify the correct statement.

**Statement 1 :** Liquids have fixed volume but do not have a definite shape.

**Statement 2 :** In sugar solution, sugar is a solute and water is a solvent.

**Statement 3 :** The molecules of solids are held together very loosely.

- a) Statement 1,2,3 are correct.  
b) Statement 1 and 2 are correct and statement 3 is incorrect.  
c) Statement 2, 3 are correct and statement 1 is incorrect.  
d) Statement 1,2,3 are incorrect.

5. These animals live on or inside the bodies of other animals for their food.

- a) Parasites      b) Omnivores      c) Herbivores      d) Scavengers

6. If Ravi is able to move the table through a distance by applying force, then \_\_\_\_\_ is said to be done.

- a) distance      b) energy      c) work      d) force

7. We must stop using these bags to prevent environment pollution.

- a) Cloth      b) Paper      c) Eco-friendly      d) Plastic

8. We all know that animals eat plants. But there are some plants which eat small insects. Which of the following is an example of them?

- a) Duckweed      b) Sugarcane      c) Venus flytrap      d) Jasmine



**VII. Label the following diagram:**

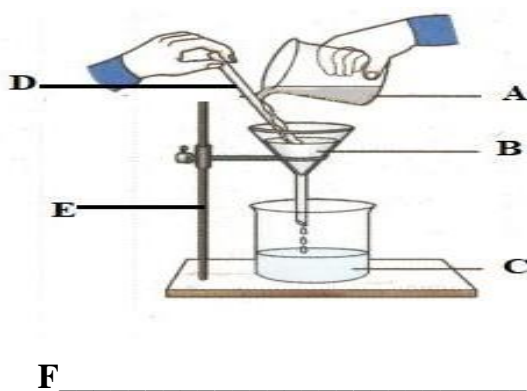
19. Identify the given picture. (2)



a) Name of the plant- \_\_\_\_\_

b) Area where it is found \_\_\_\_\_

20. Identify and label the diagram. (3)



**Section C**

**VIII. Answer the following questions. (2 X 4 = 8)**

21. The harmful substances present in the air causes pollution. Write two ways by which air pollution can be controlled?
22. When does evaporation of water takes place at a faster rate?
23. Why do aerial animals have light bodies?
24. Write a short note on atomic energy

**Section D**

**IX. Answer the following questions. (3 X 3 = 9)**

25. Animals like fish, elephant and leaf insect protect themselves from other animals. Support your answer with suitable reason.
26. a) How do animals living in cold region keep themselves warm?  
b) Why do zebras have stripes on their bodies?
27. How do people living near the river pollute water? Name two diseases that are caused due to polluted water.

**Section E**

**X. Answer the following questions.**

**(4 X 2 = 8)**

28. What are the main uses of the grass family?

29. What is a land breeze? How does it occur? Explain with the help of labelled diagram.

**Section F**

**XI. Answer the following questions.**

**(5 X 2 = 10)**

30. Explain various methods to purify water.

31. How do simple machines help us? Name and draw any four simple machines.

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**XI. Answer the following questions.**

**(5 X 2 = 10)**

30. Explain various methods to purify water.

31. How do simple machines help us? Name and draw any four simple machines.

**Answer Key****Section A****II. Choose the correct answer.****(8)**

1. Which of the following plants have a special feature to help them float or stay under water?  
a) Terrestrial plants      **b) Aquatic plants**      c) Desert plants      d) All the above
2. The fine droplets observed on the leaves of plants and grass during winter mornings are due to \_\_\_\_\_.  
a) snow      b) hailstones      c) fog      **d) dew drops**
3. Which of the following is soluble in water?  
a) Sugar      b) Salt      c) Stone      **d) Both a and b**
4. Identify the correct statement.  
**Statement 1** : Liquids have fixed volume but do not have a definite shape.  
**Statement 2** : In sugar solution, sugar is a solute and water is a solvent.  
**Statement 3** : The molecules of solids are held together very loosely.  
a) Statement 1,2,3 are correct.  
**b) Statement 1 and 2 are correct and statement 3 is incorrect.**  
c) Statement 2, 3 are correct and statement 1 is incorrect.  
d) Statement 1,2,3 are incorrect.
5. These animals live on or inside the bodies of other animals for their food.  
a) **Parasites**      b) Omnivores      c) Herbivores      d) Scavengers
6. If Ravi is able to move the table through a distance by applying force, then \_\_\_\_\_ is said to be done.  
a) distance      b) energy      **c) work**      d) force
7. We must stop using these bags to prevent environment pollution.  
a) Cloth      b) Paper      c) Eco-friendly      **d) Plastic**
8. We all know that animals eat plants. But there are some plants which eat small insects. Which of the following is an example of them?  
a) Duckweed      b) Sugarcane      **c) Venus flytrap**      d) Jasmine

**II. Fill in the blanks.**

(3)

12. The process of changing water vapour into water upon cooling is called Condensation.
13. The full form of CNG is Compressed Natural Gas.
14. The energy that we get from hot interior of the earth is called Geothermal Energy.

**III. Give one word answer.**

(2)

12. To blend with the surroundings. Camouflage
13. Water disappearing from a container on a hot sunny day. Evaporation

**Section B****IV. Define the following terms.**

(2)

14. Hibernation: Hibernation is a deep sleep that help animals to save energy and survive during the extreme winter without eating much. For eg: frogs, snakes, lizards, etc.
15. Biodegradable waste: Some wastes like fruits and vegetable peels, things made out of paper and wood decompose or rot. Finally, they get mixed with the soil. Such waste is called biodegradable waste.

**V. Give reason.**

(2)

16. Work done is zero by a person carrying 4.5 kg load on his head and standing still.

**Ans. Work done is zero because there is no movement. As we know,**

$$W = F \times S$$

$$\text{here, } S = 0$$

$$W = F \times 0$$

$$W=0.$$

17. The frog is an amphibian and adapted to live on land and in water.

**Ans. A frog is an amphibian. It has moist skin which helps them to breathe in water and lungs to breathe on land.**

**VI. Read the passage and answer the following questions.**

(3)

Energy is the ability to do work. There are different forms of energy that can be changed from one form to another. All living things need energy to live. We get heat and light from the sun. Green plants use solar energy to prepare their food. We get energy from the sun, water, wind, atom and hot interior of the earth.

18 a) Name the energy that we get from the sun.

**Ans. Solar energy**

b) What is the energy change that takes place when tube light is switched on?

**Ans. Tube Light: Electrical energy into light energy**

c) Write any two sources of energy.

**Ans. Sun, water, wind, atom and hot interior of the earth.**

**V. Label the following diagram:**

(2)

19. Identify the given picture.



a) Name of the plant- **Mangroves**

b) Area where it is found- **Marshy areas**

20. Identify and label the diagram.

(3)

**A Mixture of sand and water**

**B Filter paper**

**C Clear water (filtrate)**

**D Glass rod**

**E Iron stand**

**F Filtration**

**Section C**

d) Answer the following questions.

(2 X 4 = 8)

21. The harmful substances present in the air causes pollution. Write two ways by which air pollution can be controlled?

**Ans. The two ways by which air pollution can be controlled are:**

**a) Regular pollution check on vehicles.**

**b) Tall chimneys with filters must be fitted in factories to release smoke and gases away from populated places.**

22. When does evaporation of water takes place at a faster rate?

**Ans. Evaporation of water takes place at a faster rate when**

**a) the exposed surface of water is large.**

**b) the air is dry.**

**c) the temperature of surrounding is high.**

**d) there is strong wind.**

23. Why do aerial animals have light bodies?

**Ans. Aerial animals have light bodies because they have hollow bones which help them to fly easily as wings cannot support heavy bodies.**

24. Write a short note on atomic energy.

**Ans. Atomic energy is released on splitting of an atom. It can be used for betterment and destruction of mankind. Eg: It can be used to produce electricity as well as for preparing atom bomb.**

#### **Section D**

e) Answer the following questions.

**(3 X 3 = 9)**

25. Animals like fish, elephant and leaf insect protect themselves from other animals. Support your answer with suitable reason.

**Ans a) Fish: Fish move fast enough to escape from their enemies.**

**b) Elephant: Elephants are too big to be eaten by other animals.**

**c) Leaf insect: They look like a leaf which help them to merge with their surroundings.**

26. a) How do animals living in cold region keep themselves warm?

b) Why do zebras have stripes on their bodies?

**Ans.a) Polar bear live in very cold regions. They have adapted by having fur on their bodies to keep them warm, and by storing fat under the skin to be used as food in winter.**

**b) Zebra has stripes on their body to merge or mix with their surroundings.**

27. How do people living near the river pollute water? Name two diseases that are caused due to polluted water.

**Ans. People who live near the rivers and lakes throw all kinds of waste into the water. They wash clothes and utensils in the river and pollute it.**

**The two diseases that are caused due to polluted water are diarrhoea and typhoid.**



## Section E

f) Answer the following questions.

(4 X 2 = 8)

28. What are the main uses of the grass family?

Ans: The main uses of the plants of the grass family are:-

a) The cereal plant of the grass family provides food for humans and animals.

b) They are used in preparing medicines.

c) The bamboo plant provides us food as well as used to make things like mats and chairs.

d) Dried grass is used as packing material.

e) Papyrus is used to make paper.

29. What is a land breeze? How does it occur? Explain with the help of labelled diagram.

Ans. At night, land cools down faster. So, the hot air above the sea rises up. The cooler air from the land blows towards sea to take its place. This is called land breeze.



## Section F

g) Answer the following questions.

(5 X 2 = 10)

30. Explain various methods to purify water.

Ans. Different ways of purifying water are –

a) Sedimentation – In this method the insoluble impurities are made to settle down and clear water is separated from impurities by decantation.

b) Decantation – The process of purifying liquid by pouring the liquid from one container to another without disturbing the sediments.

c) Filtration – In this method water is filtered to remove finer suspended particles.

**d) Chlorination – In this method water is disinfected with chlorine gas to kill germs (bacterias).**

31. How do simple machines help us? Name and draw any four simple machines.

**Ans. Simple machines help us to:**

**a) Do our work faster and with less effort.**

**b) Change the direction of force used.**

**c) Do work with less force.**

