

04.06.2024 40  
De Mazenod College – Kandana

Frist Term Test – 2024

Science

Time 2 hours

Part I



- Answer all the questions.
- Underline the most suitable answer.

01. The standard unit of measuring mass is,

- a) milligrams
- b) grams
- c) kilograms
- d) pounds

02. The instrument which is used to observe micro-organisms in pond water is,

- a) magnifying glass
- b) compound microscope
- c) binoculars
- d) scale

03. Which of the following is autotrophic?

- a) coconut tree
- b) man
- c) rabbit
- d) amoeba

04. Which of the following is not needed for photosynthesis?

- a) Sunlight
- b) Water
- c) Oxygen
- d) carbon dioxide

05. Animals moving from one place to place to another is,

- a) movement
- b) locomotion
- c) reproduction
- d) none of those

06. The following characteristics are found in matter

- ❖ has a mass
- ❖ has a definite volume
- ❖ no definite shape

The matter can be,

- a) liquid
- b) oxygen
- c) ice cubes
- d) brick

07. A solid was broken into pieces under a small force. This property is called,

- a) elastic nature
- b) ductility
- c) hardness
- d) brittleness

08. What is the chemical used to see exhaled air contains carbon dioxide,

- a) liquid water
- b) soda
- c) coconut water
- d) lime water

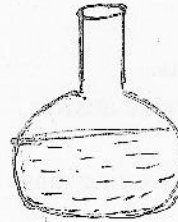
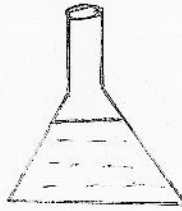
09. What is not a form of surface water,

- a) ponds
- b) springs
- c) waterfalls
- d) lakes

10. Places where micro-organisms can be found is,

- a) In living organisms
- b) Soil
- c) Water
- d) All above

11. Same amount of coconut oil is put into the containers,



By observing the above diagram we can conclude that,

- a) Liquids have no definite volume
- b) Liquids have no definite shape
- c) Liquids have no definite mass
- d) Liquids do not occupy space

12. Which of the following organisms does not have a limited growth?

- a) man
- b) dog
- c) mango tree
- d) birds

13. Ice cubes turn into liquid water when,

- a) Ice cubes are cooled
- b) Ice cubes are heated
- c) Ice cubes are heated and then cooled
- d) None of the given answers are correct

14. The ability of a metal to be drawn into thin wires without breaking is called,

- a) Elastic nature
- b) Hardness
- c) Ductility
- d) Brittleness

15. Select the incorrect statement about micro-organisms,

- a) Micro-organisms live everywhere on Earth
- b) Some micro-organisms are used to produce medicine
- c) Micro-organisms spoil the food
- d) All micro-organisms are harmful to human

16. Which physical property of gold, and silver help to make jewellery,

- a) brittleness
- b) transparency
- c) ductility
- d) hardness

17. A matter with no definite shape or no definite volume.

- a) air
- b) solids
- c) liquids
- d) light

18. Example for fresh water is,

- a) lagoon
- b) sea
- c) ocean
- d) waterfall

19. A plant which grows in the coastal environment,

- a) hydrilla
- b) mango

- c) pandanus
- d) lotus

20. The correct statement about water pollution is,

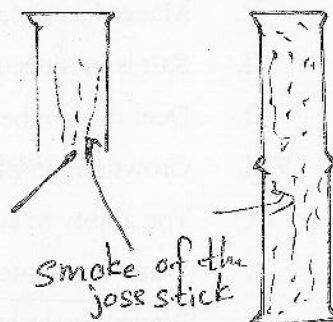
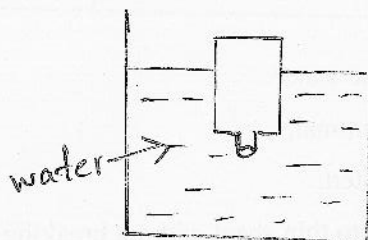
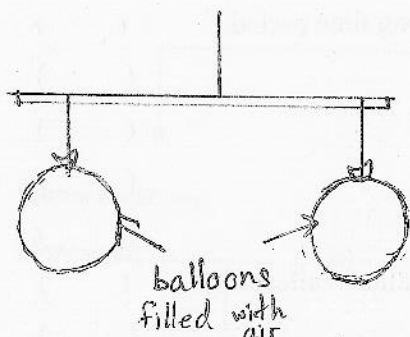
- a) Pollution of surface water affects ground water
- b) Some human activities pollute water
- c) Poisonous chemicals do not enter the body by drinking polluted water
- d) Polythene and plastic do not pollute water sources as they float

Part II



Answer question 1 and four more questions.

01. Given below are some activities done by a group of students to observe the characteristics of matter.

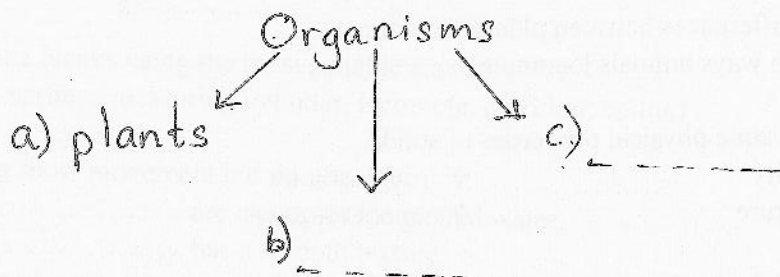


- I. Write the conclusions of the activities, A, B, C separately.
- II. Draw a diagram to show the observation when the bottle is turned to a side in the water.
- III. Write two observations when the bottle is turned to a side in the water.
- IV. Draw a diagram of another activity to show the conclusion of activity B.
- V. Name the instrument which is used in activity C.
- VI. Write a difference between a solid and liquid.

02.

A. Organisms can be categorized into 3 groups. Name b and c.

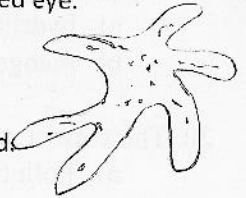
I.



- II. Write an animal that cannot locomote but shows movement.

B. Given below is an organism that lives in pond water. It is not visible to the naked eye.

- I. Write a common name given to this organism.
- II. Write two harmful effects to human by these organisms.
- III. Name one autotrophic and one heterotrophic organism that lives in a pond.



C.

- I. What is the process of producing food in green plants called?
- II. Write four factors that are needed to produce food in plants.

03. Mark the following statements ✓ or x.

- |  |     |
|--|-----|
| I. Glaziers are the solid state of water.  | ( ) |
| II. Non-living things shows growth.  | ( ) |
| III. We cannot see the respiratory movements of a plant.                             | ( ) |
| IV. We cannot observe the movements of a plant as it takes a long time period.       | ( ) |
| V. Matter has a mass.  | ( ) |
| VI. Salt is produced by marine water.  | ( ) |
| VII. Deer is not a herbivores animal.  | ( ) |
| VIII. Growth of animals is limited.  | ( ) |
| IX. The ability to be drawn into thin sheet without breaking is called malleability. | ( ) |
| X. Water is polluted by washing things in them.                                      | ( ) |
| XI. Water vapour can be obtained by heating liquid water.                            | ( ) |

04. A- Oxygen

B- Carbon dioxide

- I.
  - a) Which of the above gases is used for breathing.
  - b) When gas is exhaled when breathing?
- II. What is respiration?
- III. Write 4 differences between plants and animals.
- IV. Name two ways animals locomote.

05. Given below are some physical properties of solids.

- |                  |                  |            |
|------------------|------------------|------------|
| ❖ malleability   | ❖ rough texture  | ❖ hardness |
| ❖ elastic nature | ❖ smooth texture |            |

- I. Write which physical property is used in the following instances.
  - a) When rubber is used to make gloves.
  - b) Using sand paper to rub wood.
  - c) Using copper in electricity wires.
  - d) Using diamond to cut glass.
  - e) Using chalk to write on the blackboard.

II. Complete the given table.

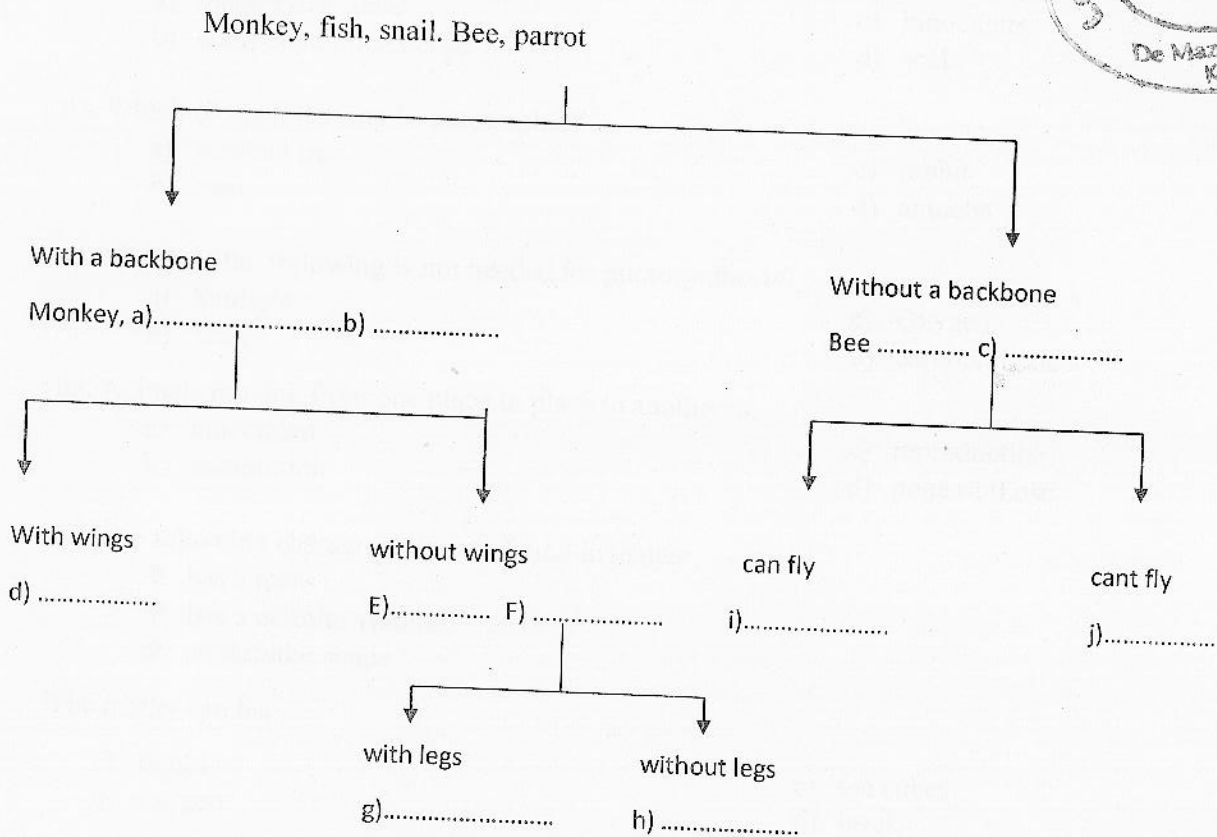
	Form of matter	Has/hasn't a definite volume	Has/hasn't a definite shape
a)	Solid		
b)	Liquid		

III. Write three examples for energy.

06.

- Write the three types of water according to the salinity.
- When equal amounts of above mentioned types of water is measured, in which type of water will the highest mass be.
- Water exists in solid, liquid and gas. Write one example each.
- Write 4 ways of water pollution.

07. Fill in the blanks.



I. Fill in the blanks using the most suitable answer.

(Sun, springs, measuring cylinder, locomote, nutrition, cotton)

- Plants show movement but do not .....
- ..... are examples for ground water.
- ..... has a smooth texture.
- Green plants get energy to produce food from the .....
- The ..... Is used to measure liquids in the laboratory.
- Satisfying the food requirements of organisms is called .....