



# JAFFNA HINDU COLLEGE

## First Term Exam - 2023

Grade - 06

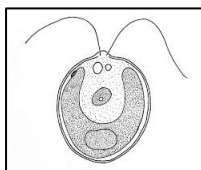
Science

Time :- 02 Hours

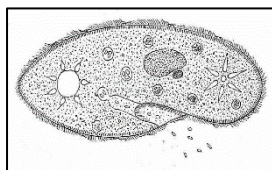
### Part I

#### 01. Select most appropriate answer.

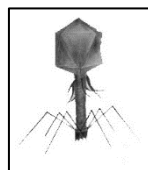
- Which gas is inhaling during the respiration of an organism?  
(1) Carbondioxide                      (2) Oxygen                      (3) Hydrogen                      (4) Nitrogen
- The plant leaves which shrink at low light intensity  
(1) Hibiscus                      (2) Rose                      (3) Croton                      (4) Tamarind
- The process of producing energy in living body is called as  
(1) Photosynthesis                      (2) Growth                      (3) Nutrition                      (4) Respiration
- Which organism that cannot move  
(1) Prawn                      (2) Sea horse                      (3) Sea anemone                      (4) Ostrich
- Name the micro organism which can found in stagnant water with rotten hay



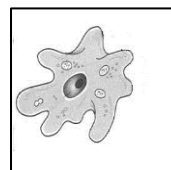
(1)



(2)

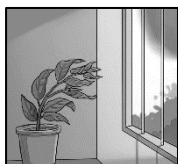


(3)



(4)

- What is the standard unit of mass  
(1) Milligram                      (2) Gram                      (3) Inches                      (4) Kilogram
- The things without a mass and do not occupy space are  
(1) Light and oxygen                      (3) water and electrical  
(2) Sound and heat                      (4) carbon dioxide and ice

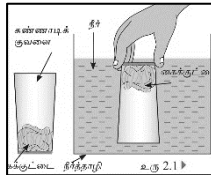


- Which characteristics of an organism indicate by the activity shown in the figure?

- (1) Respiration                      (2) Movement  
(3) Locomotion                      (4) All of above

- The organism that are depend on food produced by plants  
(1) Producers                      (2) Decomposers  
(3) Autotrophic                      (4) Heterotrophic

10.



What is the observation in this activity

- (1) Water enter into the glass
- (2) Handkerchief got wet
- (3) Water enter into the glass but handkerchief is not wet
- (4) Water doesn't enter into the glass and handkerchief is not wet.

(2× 10 = 20 Marks)

02. Fill in the blanks by using the word given below.

(Hardness, Copper, Microscope, Oxygen, Elastic nature)

- 1) Mountain climbers used the gas of .....
- 2) ..... is used to observe micro organism
- 3) ..... has the physical property of malleability
- 4) ..... has the property of elastic nature.
- 5) The property of resistance to change the shape of object by using applying external force is called as .....

(2×5 = 10 Marks)

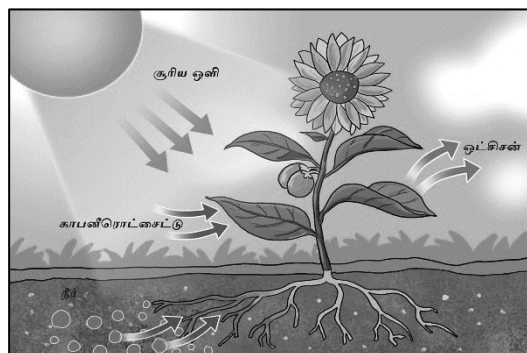
03. State whether the statements one true or false.

- 1) The green plants do not use water in soil for photosynthesis ( )
- 2) A gas has a definite volume ( )
- 3) Matters exists in three physical states ( )
- 4) Animals have limited growth ( )
- 5) Talc powder possess the property of smooth texture ( )

(2×5 = 10 Marks)

## Part II

❖ Following Figure shown the biological process of plant



01.

A

1. How to call the biological process shown in above  
.....

(01 Mark)

2. What are the factors needed for this process  
.....  
.....

(02 Mark)

3. Write down 2 biological process in plants that are except mention in above

.....  
 .....

(02 Marks)

**B** Fill in the following chart

1.

Animal diversity		
Method of locomotion	Mode of feeding	Method of Nutrition
(1) .....	(1) .....	(1) .....
(2) .....	(2) .....	(2) .....
(3) .....	(3) .....	(3) .....
(4) .....		

Marks  $\frac{1}{2} \times 10 = 5$

2. How to call the animals according to the nutrition

..... (02 Marks)

(Total = 12 Marks)

**02. A**

The instrument used to measure the volume shown in the figure.

1. Identify the instrument?

.....

(02 Mark)

2. What is the maximum volume measured by this instrument

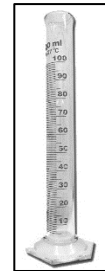
.....

(02 Mark)

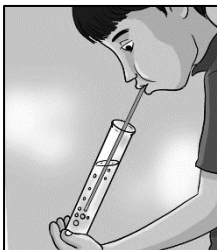
3. State the factor should be mention when take the reading in this instrument?

.....  
 .....

(02 Mark)



**B** Following figure show the process of exhaling of respiration done by a grade 6 student



01) Which substance taken in test tube

.....

(01 Mark)

02) What is the colour of substance

.....

(01 Mark)

03) Write down your observation when bubbled in that solution

.....

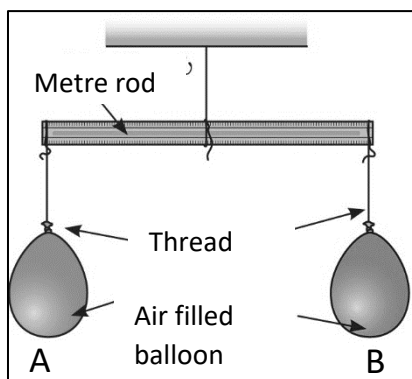
(01 Mark)

04) What is the conclusion from the observation

.....  
 .....

(01 Mark)

03. A Following activity used to identify the characteristic of a matter



1. What is the aim of the experiment

.....  
(01 Mark)

2. Write down your observation when release the air in balloon B in above activity

..... (01 Mark)

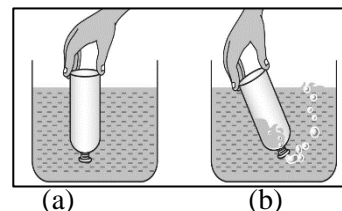
3. Give 2 characteristics of gases

..... (02 Mark)

4. Give 2 examples of matter in gaseous state

.....  
..... (02 Mark)

B Following figure show an activity arrange by a student.



1. Write down you observation when immersed the bottle (upside down)  
In water

..... (01 Mark)

2. What is the observation when the bottle placed as shown in the figure (b)

..... (01 Mark)

3. What is the conclusion from this activity

..... (02 Mark)

04. Fill the table by comparing volume and shape with physical states of matter.

A  
1)

Physical state	Volume	Shape
.....	Definite volume	.....
.....	.....	Definite shape
.....	No Definite volume	.....

(06 Mark)

2) How to call the things without a mass and do not occupy space

.....  
(01 Marks)

**B** Fill in the blanks by using the numbers from y and complete.

**X**

- a. **Break** into pieces .....
- b. Production of gloves .....
- c. Hardness of material .....
- d. Smooth structure .....
- e. Malleability .....

**Y**

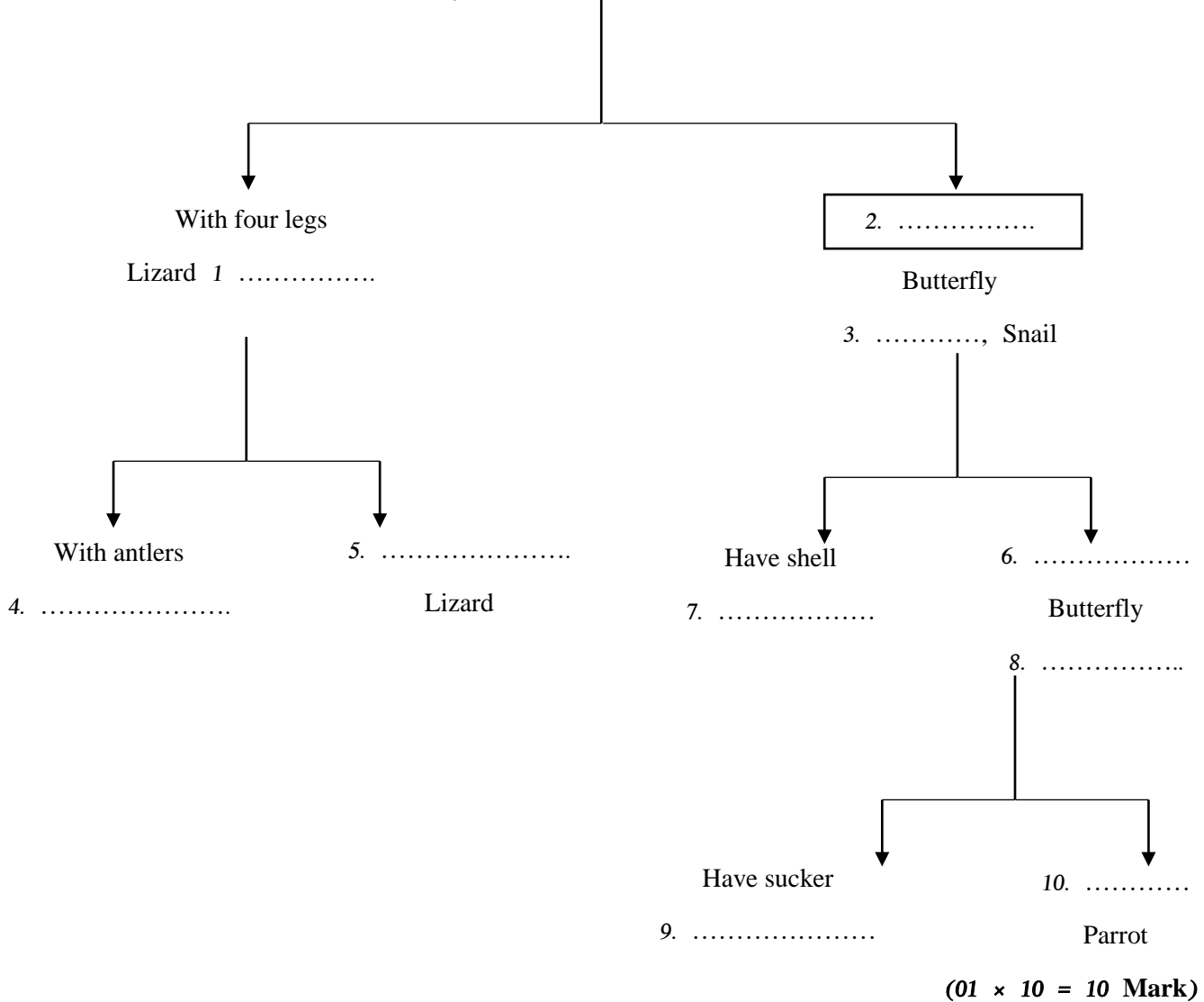
- 1. Diamond
- 2. Copper
- 3. Glass
- 4. Rubber
- 5. Cotton

(05 Mark)

**05. Complete the following dichotomous key.**

1)

Butterfly, Deer, Lizard, Snail, Parrot



(01 × 10 = 10 Mark)

2) Write down two difference between Plants and animals

.....  
 .....

(02 Mark)