

பிச்சைக்காரர் பதவிக்குப் பரிந்துரை செய்து கொடுத்திருப்பது குறித்து கருத்து தெரிவித்தார்.

වර්ෂ අවසාන ඇගයීම - 2024 - 2025

ஆண்டுறுதி மதிப்பீடு - 2024 - 2025

Year End Evaluation - 2024 - 2025

No 009112

தமிழ் } 06
Grade }

විෂයය
 பரம்
 Subject

Science

பழைய
வினாத்தாள் } I, II
Paper }

காலம் } 2 Hours

නම }
 பெயர் }
 Name }

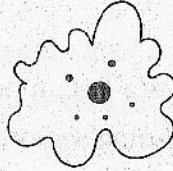
விலாச அட்டை
கட்டிலக்கம்
Index No.

To be Considered.

- Answer all questions in part 1.
- Underline the correct answer.

1. The organism shown in the figure that **can not** be observed with the naked eye is,

1. "Binkunda"
2. Rat
3. Amoeba
4. Hydra



2. Few characteristics of a certain matter are given below.

- has a definite shape.
 - has a definite volume.
- above matter is a

1. Gas 2. Liquid 3. Solid 4. Liquid or Gas

3. An equipment produced sound in the same way as the violin is,

1. The Tabla 2. The Symbol 3. The serpina 4. The Sitar

4. What is the most abundant salt in sea water ?

1. Calcium Carbonate 2. Sodium Carbonate 3. Sodium Chloride 4. Calcium Chloride

5. An equipment with a magnet is,

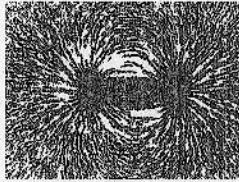
1. Clinical Thermometer
2. Barometer
3. Compass
4. Wind vane

6. As green plants produce food within them selves, they are called,

1. Heterotrophic
2. Autotrophic
3. Microscopic
4. Macro Organisms

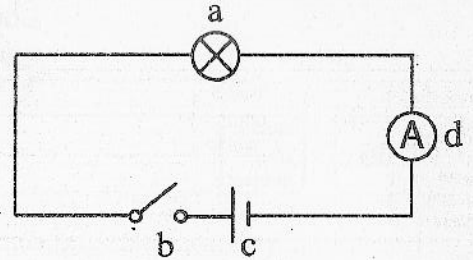
7. Arrangement of iron fillings around a magnet is shown in the figure. This area is named as,

1. Magnetic field
2. Strength of the magnet.
3. repulsion of magnets
4. attract of magnets



8. a,b,c,d in above circuit respectively are,

1. Ammeter, switch, bulb, dry cell
2. Bulb, switch, dry cell, ammeter
3. Bulb, dry cell, switch, ammeter
4. Drycell, bulb, switch, ammeter



9. Select the answer with luminous objects only.

- | | |
|---------------------------------------|------------------------------------|
| 1. Sun, Moon, Planets | 2. Sun, Moon, Stars |
| 3. Lighted bulb, Lighted candle, Moon | 4. Sun, Lighted lamp, Lighted bulb |

10. A food of an animal with sharp pointed canines, and legs with sharp claws may be,

- | | |
|--------------------|------------------------------------|
| 1. Plant materials | 2. Animal materials |
| 3. Nectar | 4. Both plant and animal materials |

11. Climate is,

- 1 the atmospheric conditions at a specified place for a long time period.
- 2 the atmospheric conditions at a specified place during a short time period.
- 3 the atmospheric conditions at a specified place with in a day.
- 4 the temperature condition during a specified period.

12. Carbondioxide gas,

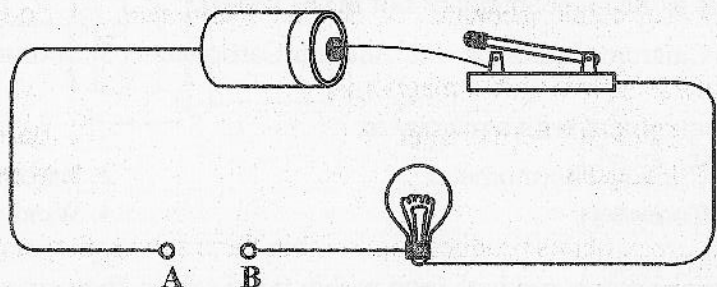
- | | |
|--|--|
| 1. is needed for respiration | 2. is need for combustion |
| 3. is needed for both respiration and combustion | 4. turns lime water in to milky colour |

13. What is the most efficient bulb?

- | | | | |
|------------------|-------------|--------------------|-------------|
| 1. Filament Bulb | 2. LED Bulb | 3. Fluorecent bulb | 4. CFL Bulb |
|------------------|-------------|--------------------|-------------|

14. What is the appliance should be connected to A B space to reduce the current flows through the circuit.

- 1.
- 2.
- 3.
- 4.

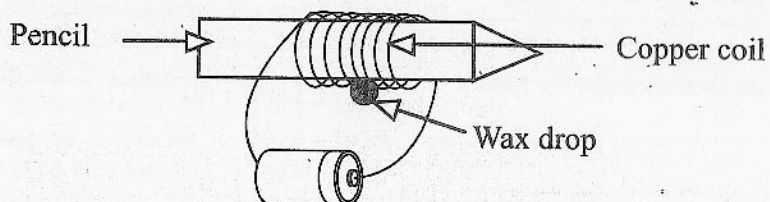


15. What is the most common type of bio mass use ?

1. Solar heat
2. Wind
3. Saw dust
4. Fire wood

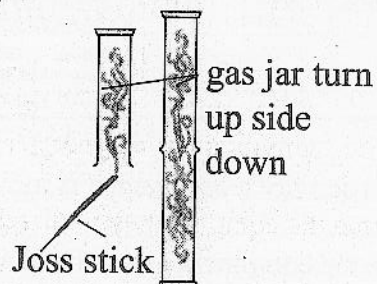
16. The wax drop in above set up melts after minutes. This demonstrate, that electricity generates

1. Magnetic energy
2. Heat energy
3. Chemical energy
4. Light energy



17. What is the conclusion of the experiment shown in the diagram ?

1. gas has a definite shape
2. gas do not have definite volume
3. gas has a mass
4. gas occupies space



18. Light energy and heat energy,

1. Occupy space, do not have mass.
2. Occupy space, has a mass.
3. do not occupy space, do not have a mass.
4. do not occupy space, has a mass.

19. What is the appliance that allow to flow current only one direction through a circuit.

1. Diode
2. Capacitor
3. Light depending resistor
4. Switch

20. It can harm the environment when CFL bulbs are disposed. What is the reason for this ?

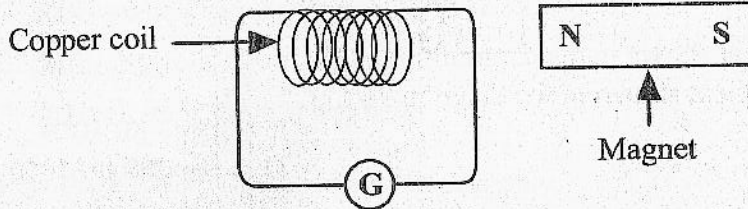
1. Because it contains glass.
2. Because it contains harmful gases.
3. Because it contains Mercury
4. Because it contains phenol and naphthelin

Part - II

Answer first question and 4 other questions.

01.A. Three activities done by group of students A,B,C in grade 6 are given bellow.

Activity - A



In this activity a bar magnet is moved inside a copper coil.

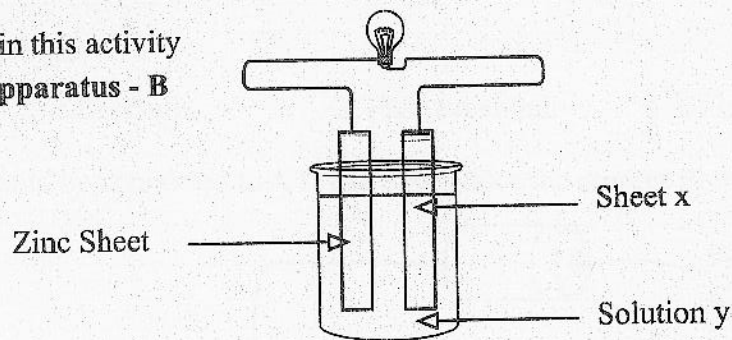
- Name the equipment symbolized as  (Mark - 01)
- Write the observation in following instances related to above activity.

Instance	Observation in equipment 
a. moving the magnet inside the coil	
b. Place the magnet inside the coil without moving	

- What is the conclusion arrived in above activity (Mark - 01)
- Name the scientist who first did this experiment. (Mark - 01)

B. An electric cell is made in this activity

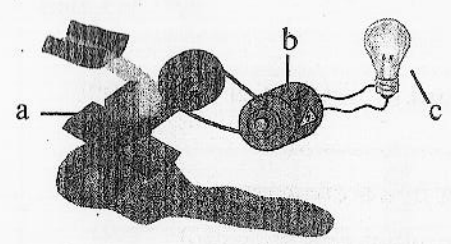
Apparatus - B



- Name the above cell (Mark - 01)
- Name the sheet x (Mark - 01)
- What is the solution named as y (Mark - 01)
- Write an observation near Zinc sheet and Sheet X separately (Mark - 02)
- Write the observation of the bulb after some time (Mark - 01)

C. In this activity an apparatus was made to generate electricity by flowing water.

Activity - C

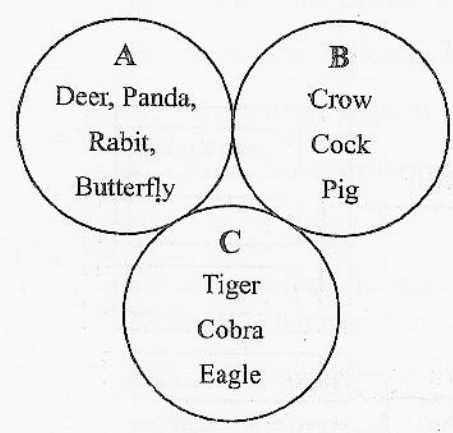


i. Name the following parts of the figure

- a.
b.
c.
(Mark - 03)

- ii. What is the type of energy in flowing water which is used to generate electricity (Mark - 01)
iii. As what equipment does the part b act ? (Mark - 01)
(Total Mark - 16)

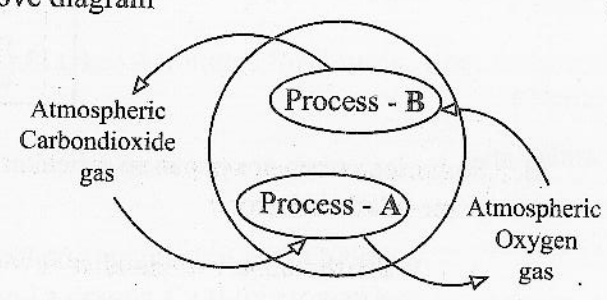
02.A. Following diagram illustrate the classification of few animals according to mode of nutrition.



- i. Write suitable mode of nutrition for A,B,C
A.
B.
C. (Mark - 03)
ii. Name the animal who has faced a threat of extinction (Mark - 01)
ii. Name the animal who has the feeding habit of sucking (Mark - 01)

B. Two processes take place in living bodies are shown in above diagram

- i. Name the process B (Mark - 01)
ii. Name the process A that takes place only in plants (Mark - 01)
iii. Write the source of energy that provides energy for process A (Mark - 01)
iv. By which component of the plant leaves does above energy absorb ? (Mark - 01)
v. Write 2 characteristic of plants differentiate from animals (Mark - 01)



(Total Mark - 11)

03.A. Mark true (✓) or false (X)

- i. Dry cell is a secondary cell ()
ii. A system which allows to flow an electric current is called an electric circuit ()
iii. Sound is produced by vibrating some thing ()
iv. The sound that are not rhythmic are known as music ()
vi. A large area of land is temporarily covered with water is known as flood () (1 x 5 - 05)

B. Fill in the blanks with the suitable words given

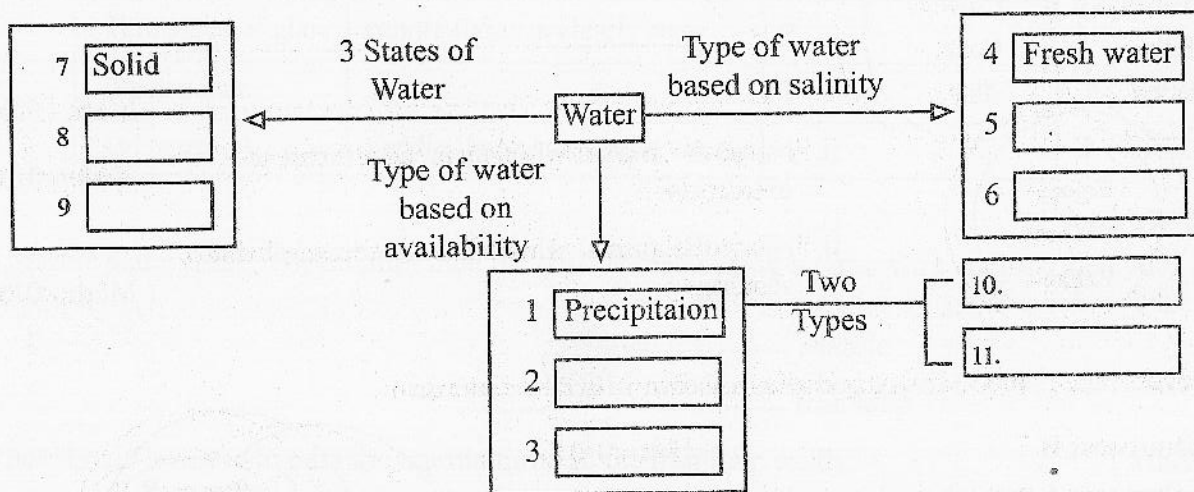
(Nuclear energy, fossil fuels, coralspolyps, heterotrophic, Dolphin, biomass)

- is an sedentary animal.
- is generated by the reactions of radioactive elements.
- Cola, Petroleum oil are considered as
- Plant or animal materials which can be used as a fual are known as
- is an aquatic animal that nourishes with milk.
- The organisms who directly or indirectly depend on plants are called

(1 x 6 = 06)

(Total Marks - 11)

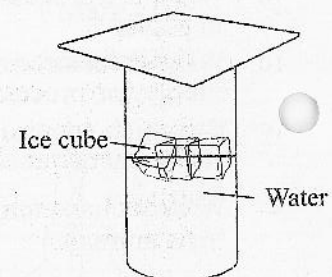
04. A. Water is the most important natural resource, But it is a limited resource. Complete the following concept map related to water



(Mark - 04)

B. Some ice cubes are put in to a beaker with water and it is covered with a piece of card board

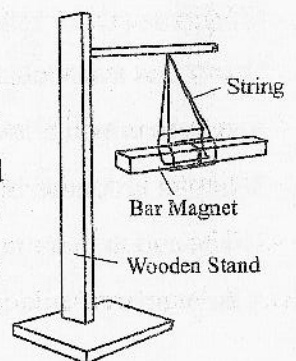
- Write the observations after few minutes (Mark - 01)
- Write conclusion arrived according to the observations (Mark - 02)



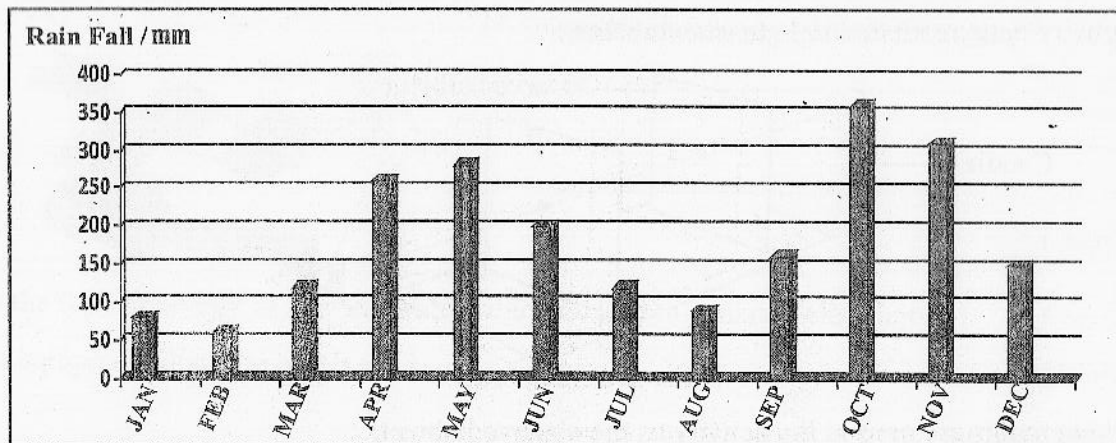
C. Following is an activity done to observe the behaviour of a magnet

- Write the observation in this activity (Mark - 01)
- What is the equipment made based on above observation (Mark - 01)
- Can you get the same observation when an iron stand is used instead of wood stand (Mark - 01)
- Give reason for the above answer (Mark - 01)

(Total Marks - 11)



05. A. The following graph shows the rain fall in Colombo during a particular year



- What is the month with the lowest rainfall (Mark - 01)
- What is the month with the highest rainfall with in first 6 months ? (Mark - 01)
- Name the 2 months that the flood can be occurred in colombo city (Mark - 02)
- What is the highest rain fall according to the graph ? (Mark - 01)
- What is the difference between the highest rain fall and the lowest rainfall (Mark - 01)

B.

- Various equipments are used to get information about weather. Write the equipment used to get following weather information.
 - Speed of wind.
 - Direction of wind
 - Humidity of atmosphere. (Mark - 03)
- If the equipment used to measure the speed of wind takes 3 minutes for 9 turns, what is the rotation speed of it ? (Mark - 02)

(Total Mark - 11)

06. A. Some observations in a field trip of a group of grade 6 students are given below.

- A butterfly sucking nectar from a shoc-flower and a dragon fly flying towards it.
- Fish and frogs are near the aquatic plants in a pond
- Cranes peeping in to the pond.

- Write a food chain with 3 links using above observations. (Mark - 02)
- Name the producer in the food chain (Mark - 01)
- What is the equipment used in the laboratory to observe a pond water sample (Mark - 01)
- What is the common name of the organisms observed through above equipment ? (Mark - 01)
- Prepare a dichotomous key to classify the following animals.

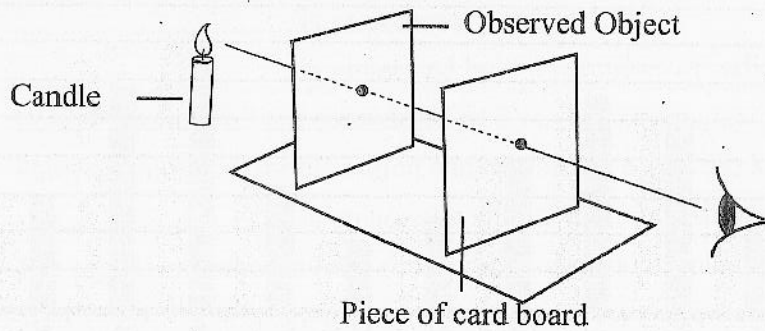
Butterfly, Fish, Frog, Crane

(Mark - 02)

B. i. Name a factor needed for the vision

(Mark - 01)

ii. An activity done related to light is shown below.



following things are used in the activity as the observed object.

(Thin piece of glass, black paper, Oil paper)

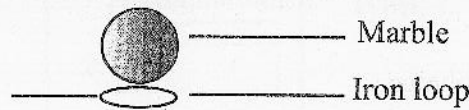
Write the suitable answers for a,b,c according to the observation in the activity

Instance	Observed object	Observation	Type of the observed object
1.	Thin piece of glass	candle flame is clearly seen	a
2.	Black paper	b	Opaque
3.	Oil paper	candle flame is not seen clearly	c

(Mark - 01)

(Total Mark - 11)

07. A. A Marble and a small loop smaller than the marble made using an iron wire are provided you.



i. What should be done to pass the marble through the iron loop easily

(Mark - 01)

ii. What is the reason for above answer ?

(Mark - 01)

iii. Write 2 instances where above phenomena can be seen in day to day life

(Mark - 02)

B. A student heat a glass bottle by holding it with hands as shown in the diagram.

i. What happens to the coloured water deoplet ?

(Mark - 01)

ii. What is the reason for using the coloured water ?

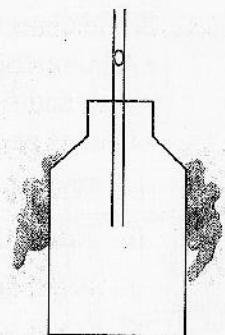
(Mark - 01)

iii. Write the conclusion of above activity

(Mark - 01)

iv. Write an instance where the upword movement of heated air is useful

(Mark - 01)



C. Write the properties of matter applied in following instances.

i. Using gold and silver to make jewelleryes.

ii. Using iron to make bars in houses.

iii. Using rubber to make teats.

(Mark - 03)

(Total Mark - 11)