

கேள்வி வார ஆடையீல
Year End Evaluation -- 2021

ஏற்றிய தரும் Grade	06	பயிற்சி மாடும் Subject	Science	பதிவு வினாத்தாள் Paper	I, II	படிக் மணித்தியல் Hours	02
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Name --

Part I

Underline the correct answer.

01. This figure shows,

1. Sea anemone.
2. Coral polyp.
3. Micro-organism.
4. Crab.



02. The given experiment is used to identify carbon dioxide in the exhaled air.

What is the liquid named as A?

1. Water
2. Coconut oil
3. Lime water
4. Kerosene oil

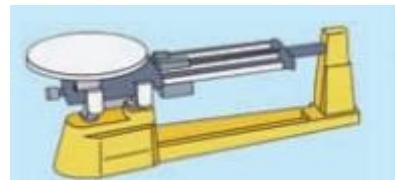


03. Things without a mass and do not occupy space are known as,

1. Matter
2. Energy
3. Biomass
4. Petroleum gas

04. The ability of the metal to be hammered into thin sheets without breaking is called,

1. Brittleness
2. Elasticity
3. Malleability
4. Ductility



05. The A and B equipment's respectively are,

1. Compound microscope and spring balance
2. Compound microscope and triple beam balance
3. Telescope and triple beam balance
4. Telescope and spring balance

6. Select the examples for matter that exist in liquid state and gaseous state respectively

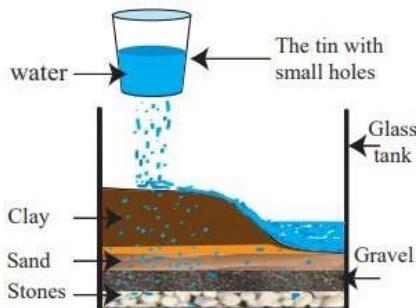
a. Kerosene oil and steam

2. Water and ice

3. Copper and steam

4. Steam and kerosene oil

7. This apparatus is used to observe the behavior of rain drops when they fall onto earth.



The water falls through the small holes of the tin represent,

a. Surface water

b. Ground water

c. Precipitation

d. Surface water and ground water

8. Which of the following is not a fossil fuel?

1. Coal 2. Petroleum oil 3. Petroleum gas 4. Coconut shells

9. Identify the following equipment that uses solar energy.

a. Solar cooker



b. Solar water heater

c. Solar panel

d. Solar cell

10. The table given below shows how transparent, translucent and opaque objects are used in day today activities. Select the answer, which is suitable to fill the blanks A, B, C

Material used	Transparent/Translucent /Opaque	Incident
1. Glass	A	Used in front of photo frames.
2. Tissue papers	B	To make Vesak lanterns
3. cardboard	C	Box to keep film roles

1. Translucent, Transparent, Opaque

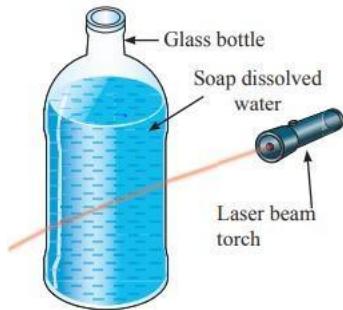
2. Translucent, Opaque, Transparent

3. Opaque, Transparent, Translucent

4. Transparent, Translucent, Opaque

11. The following figure shows an activity done in the classroom. A laser light is directed to a bottle contain soap water. This activity confirms that,

1. Light does not travel in a straight line.
2. Light travels in a straight line.
3. A medium is needed to transmit light.
4. A medium is not needed for the transmission of light.



12. Which instrument produce sound like a drum?

1. Guitar
2. Flute
3. Udagkiya
4. Violin

13. A file clip has fallen into a glass of water. What can be used to get the file clip out of the glass without either spilling water or putting your hand in?

1. Compass
2. Another file clip
3. A magnet
4. An iron nail



14. What are magnetic poles?

1. Regions where magnetic power of attraction is high.
2. Regions where there is no magnetic power.
3. Regions where magnetic power of attraction is low.
4. Regions where no magnetic power of repulsion.

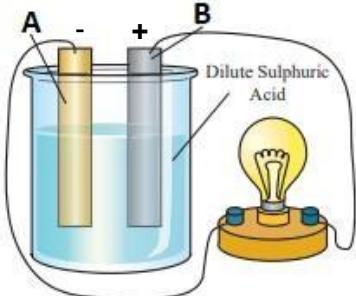
15. The given apparatus is a/an,



1. Ammeter
2. Galvanometer
3. Voltmeter
4. Milliammeter

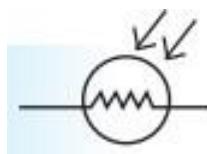
16. This is a simple cell. What are the substances that can be used as A and B respectively in the simple cell?

1. Copper plate and Zinc plate
2. Zinc plate and Copper plate
3. Two Copper plates
4. Two Zinc plates



17. What is the device represented by the given symbol?

1. Light dependent resistor
2. Resistor
3. Ammeter
4. Dry cell



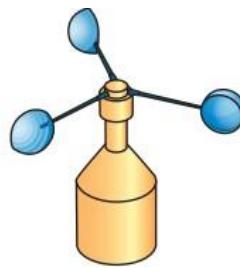
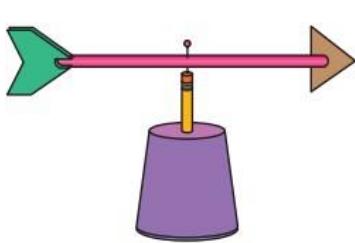
18. What is the average temperature of human body?

1. 30 °C
2. 40 °C
3. 37 °C
4. 39 °C

19. Select the **incorrect** statement.

1. All the links of a food chain are important for the balance of the environment.
2. Destruction of one organism in a food chain affects the survival of the other links in the food chain.
3. When there is a large diversity in the food consumed by animals, their existence is more established.
4. The collection of food webs that shows the inter relationship among animals and plants for food is known as a food chain.

20. Select the answer that gives functions of the given instruments respectively.



1. To measure speed of the wind and direction of the wind
2. To measure the direction of the wind and speed of the wind
3. To measure direction of the wind and humidity
4. To measure humidity and direction of the wind

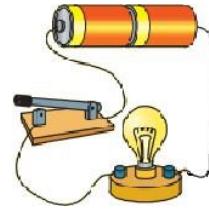
Part II

Answer five questions. **First question is compulsory.**

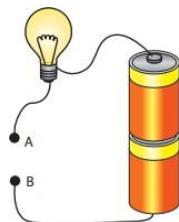
01.

(A). This circuit is made up of two dry cells, connecting wires, switch and a torch bulb.

- i. Give one observation after completing the circuit
- ii. Draw circuit diagram for the above setup using symbols.
- iii. What is an electric circuit?



(B). The below setup is used find the materials which pass electricity and the materials which do not pass electricity.



- i. The given materials are kept between A and B. Mention weather the bulb light up or not.
 - a. Carbon rod from a dry cell –
 - b. Pencil rod –
 - c. A piece of plastic –
 - d. A piece of polythene –
- ii. What is the term used for the materials which carry electricity?
- iii. What is the term used for the materials which do not carry electricity?

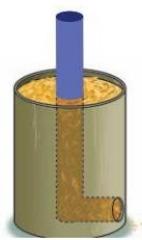
(C). Consider the following figure.

- i. Name the given electronic appliance.
- ii. Name the long terminal of this device?
- iii. Name the short terminal of this device?



(D). This stove use biomass as the fuel.

- i. What is biomass?
- ii. Name the biomass used in this stove.
- iii. Write another biomass.
- iv. Give one advantage of this stove.



(16Marks)

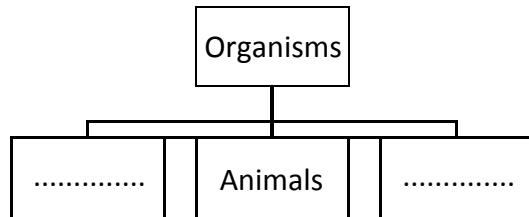
02. A) A student collected two water samples.

sample A – some water rotted with hay

sample B – water taken from a pond

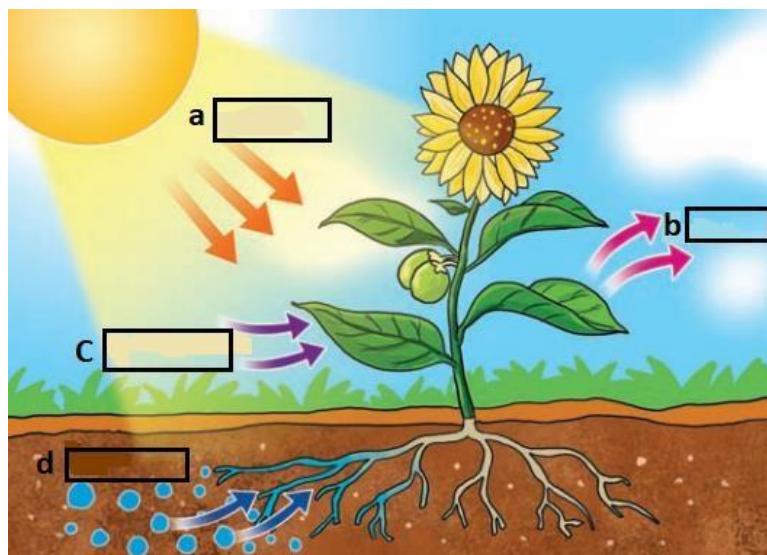
The samples are taken separately into glass slides and observed using an instrument.

- i. Name this instrument.
- ii. What do we call the organisms that cannot be seen with the naked eye?
- iii. Organisms are divided into three groups. Fill the blanks of the diagram.



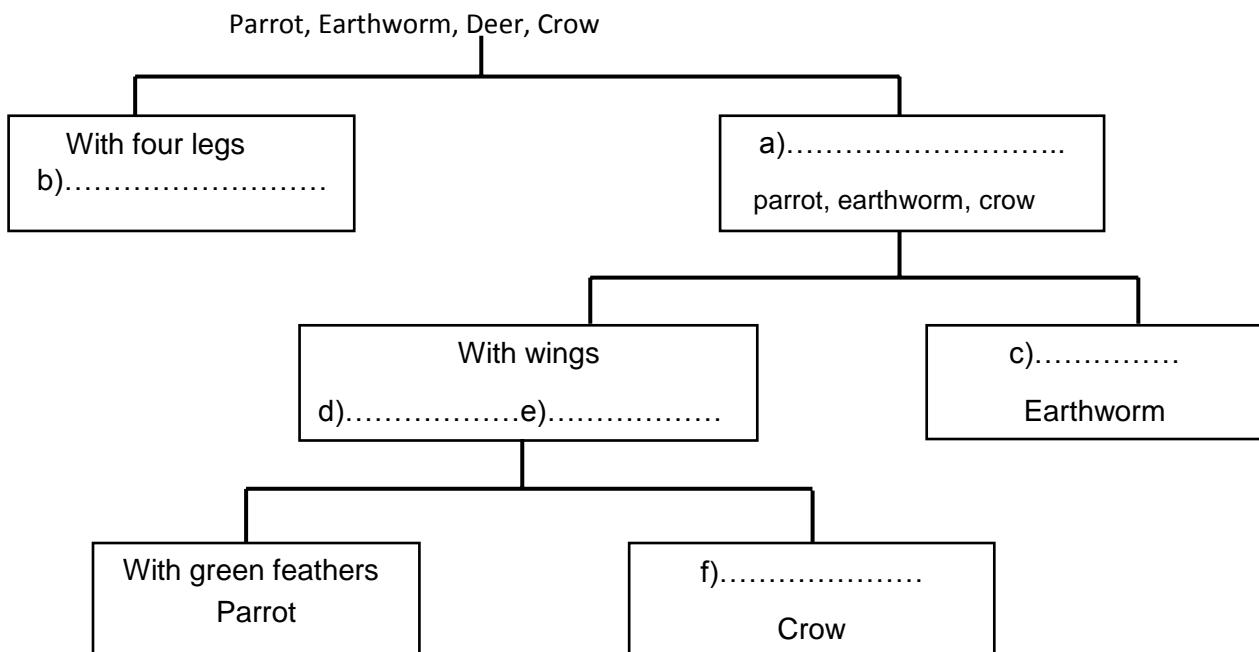
(B). The following figure shows the process by which green plants produce food. Fill the blanks using the given words.

(Oxygen, carbon dioxide, sun light, water)



(C). Dichotomous key is used to classify organisms.

Fill in the blanks.



(11 Marks)

03. (A) Mark “V” if the statement is correct and mark “x” if the statement is wrong in brackets.

- i. Air occupies space. ()
- ii. Electricity can be produced from tidal waves. ()
- iii. Sun is not an energy source. ()
- iv. The percentage of water that we can consume is 0.01%. ()
- v. As rubber is a brittle substance it is used to make gloves and baby teat ()

(B) Match A and B.

A	B
i. From wells and springs, we can obtain	Sodium chloride
ii. A salt dissolved in sea water	Fossil fuel
iii. A physical property of coal	Energy
iv. A water body with brackish water	Ground water
v. The ability to do work	Lagoon
vi. Formed due to the high temperature and pressure in the inner earth.	Brittleness

(11 Marks)

04. (A). Fill in the blanks using the words given in the brackets.

(Thermometer, Hambanthota, sources, High tide and low tide, endoscope, nuclear, luminous objects)

- i. The objects which produce energy are called energy
- ii. We useto measure temperature.
- iii.Region where wind power station is installed in Sri Lanka.
- iv.means the changes in the sea level due to the effect of sun and the moon.
- v. Electricity can be produced using the energy of atoms.
- vi. The objects which produce their own light are called
- vii. is used to observe the inner organ of the body.

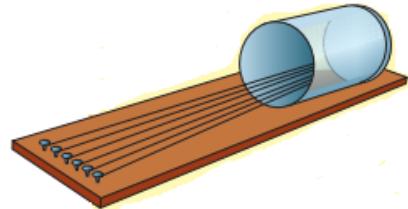
(B). Weather is an atmospheric condition at a specified place during a short time period. Natural disasters occur due to the changes in the weather.

- i. Name four main factors that determine the weather.
- ii. Name two natural disasters due to climate changes.

(11 Marks)

05. Sound can be produced by the vibration of objects.

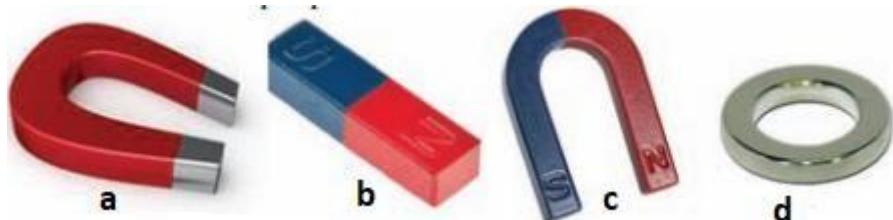
- i. What do we call the objects that produce sound?
- ii. Non rhythmic sounds are called noises. Name two types of noises that can be heard in the urban environment.
- iii. This is an instrument made by grade 6 students for the activities related to sound.
 - a) Name this instrument.
 - b) Name two materials that can be used to make the above instrument.
 - c) Name two other instruments produce sound in the same way as this instrument.
- iv. What is the organ sensitive for sound?
- v. How can we use televisions and radios without disturbing others?



(11 Marks)

06. There are various types of magnets.

i. Name the given magnets



ii. You are provided with the given objects.

(a piece of iron, brass nail, copper wire, a coin, a pin, a piece of plastic, a needle, a piece of wood) Fill the table using the given materials.

Objects attract towards magnet	Objects do not attract towards magnets

iii.



A



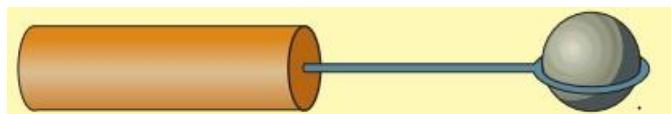
B

a) Which incident out of A and B shows attraction?
b) What is the reason for attraction?
iv) A magnet always lies still between the North and South direction. What is the pole of magnet directed towards the north direction?
v) Give two instances that we use magnets.

(11 Marks)

07. (A). Objects get warm when heated. Temperature is the measurement of warmness or coldness.

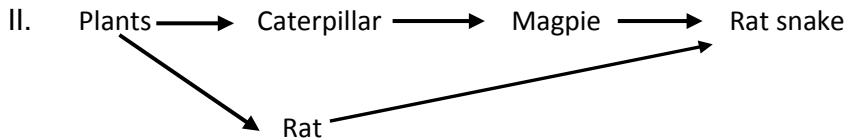
I. What is the observation when heating the wire loop?



II. Give the reason for the above observation.

(B). There are three groups of organisms according to the mode of nutrition.

I. Name the 3 groups of organisms according to the mode of nutrition.



- a) Name the producer of above given food web.
- b) Write a food chain with 3 links from the above food web.
- c) Name the third link of the above food chain.
- d) Give one special feature of the organism that considered as the first link.

III. Name one organism which has faced the threat of extinction as they depend on only one type of food.

(C).

- I. What is the most dangerous viral disease that started two years ago and still spreading around the world?
- II. Write down an action that can be taken to protect yourself from that disease.

(11 Marks)