Zonal Education office - Vadamaradchi

3rd Term Examination - 2023 (2024)

Grade - 06 | **Science** | Time 2.00 hours

Part - I

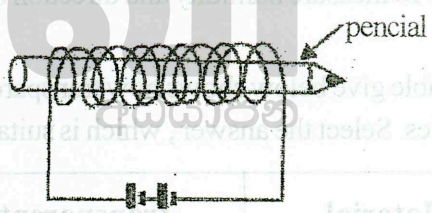
1. An autotrophic organism is,
   1. Amoeba 2. Bacheria 3. Balsam 4. Fungi

2. The prevailing weather condition in an area for a long time period is,
   1. Weather 2. Climate 3. Drought 4. Humidity

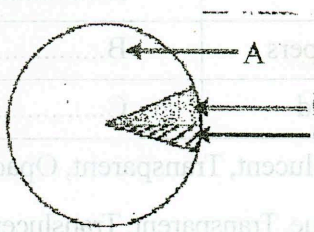
3. An artificial light source is,
   1. Moon 2. Stars 3. Candle flame 4. Sun

4. Select the correct answer
   1. Food chain is created by inter connections of several food webs.
   2. The second link of a food chain is always a carnivore
   3. The solar energy transferred through a food chain
   4. The producer of a food chain is always a carnivore.

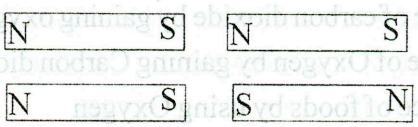
5. Given figure shows a thin wire winded around the pencil and connected to the cells. What is the expected observation.
   1. Melting of the wire
   2. Heating of the wire
   3. Emitting light form the wire
   4. Increasing length of the coil



6. Given below is a pie chart which represented the amount of water on the Earth Which letters given the amount of water in seas and water that can be consumed in respectively
   1. A and B
   2. B and C
   3. A and C
   4. A and B

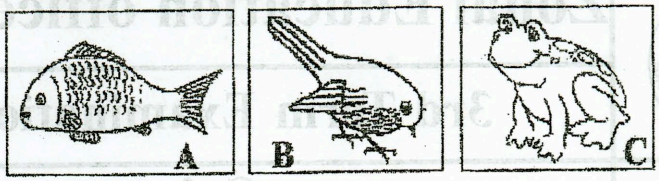


7. Given below are two instances of placing two bar magnets kept closer to each other. The observation can be gained by the instances of A and B are,
   1. Attracted in A, repelled in B
   2. Repelled in A, Attracted in B .
   3. Attracted in A and B
   4. Repelled in A and B



8. The locomotive appendages of animals given below in respectivel are,

i. Fins, feathers, limbs
ii. Gills. Wings, limbs
iii. Fins, wings, limbs
iv. Legs, wings, fins

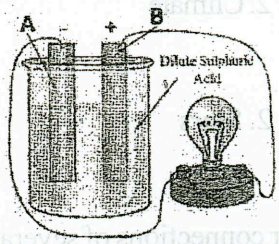


9. Which of the following is an incorrect staterment about sound and hearing,

i. Sound is produced due to vibrations
ii Sound that are sung or played rthythmically are known as music
iii. The excess music sound are not disturbance to ears
iv. Unrhythimc sounds are knows as noises

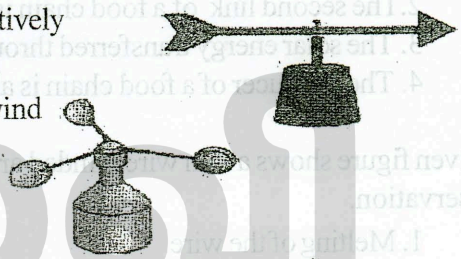
10. This is a simple cell. What are the substance that can be used as A and B respectively in the simple cell?

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



11. Select the answer that given functions of the 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



12. The table give 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	transparent/Translucent/ opaque	incident
1. Glass	A.....	Used in front of photo frames
2. Tissue papers	B.....	To make visa lanterns
3. Cardboard	C.....	Box to keep film roles

1. Translucent, Transparent, Opaque
2. Translucent, Opaque, Transparent
2. Opaque, Transparent, Translucent
4. Transparent, Translucent, Opaque

13. The process that can perform only by plants is,

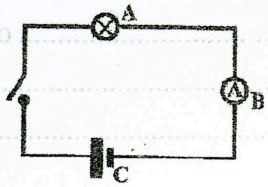
1. Release of carbon dioxide by gaining oxygen
2. Release of Oxygen by gaining Carbon dioxide
3. Produce of foods by using Oxygen
4. Produce of Oxygen by using foods

14. The most suitable energy source can be used in hill top is

1. Wind 2. Flowing water 3. Tidal wave 4. Fossil fuel

15. Identify the symbols in the circuit shown as A,B,C in respectively,

1. Ammeter, Bulb, Dry cell
2. Bulb, Ammeter, Dry cell
3. Dry cell, Bulb, Ammeter
4. Bulb, Dry cell, Ammeter



16. When a dented ping - pong ball is placed into hot water, it becomes round again. This is because

1. The ping - pong ball expands
2. The air inside the ping - pong ball expands
3. The water has gone into the ping - pong ball
4. Gases expand more than liquid

17. How do natural disasters affect the environment?

1. They have no impact on the environment
2. They destroy natural habitats
3. They don't cause soil erosion
4. They have no effect on Water sources

18. Plant take carbon dioxide from the atmosphere mainly through their

1. Root 2. Stem 3. Flower 4.Leaves

19. North pole of a magnet can be identified by

1. Another magnet having its poles marked as north pole and south pole
2. Another magnet no matter whether the poles are marked or not
3. Using an iron bar
4. Using iron filings

20. Living things produces more of their own kind through

1. Reproduction 2. Excretion
3. Respiration 4. Digestion

(20 x 2 = 40 marks)

02. Mark (✓) against the correct statement and make (×) against the statement

1. Sound is a form of energy ( )
2. Saw dust and iron powder can be separated by using magnets ( )
3. Climate is an atmospheric condition at a specified place during a short period of time ( )
4. Anrmometer is used to messure the speed of the wind ( )
5. Lion inderectly depend on plants ( )

(5marks)

03. Fill in the blanks with suitable words

(Auto trophs , Diode , Energy , Magnetic pole , Vibration , The sun , Temperature)

1. An eklectronic device that is used to allow electric current only in one direction is .....
2. Amount of heat in an object is .....
3. Sound is produsd by ..... of an object
4. In magnets magnetism is high is .....
5. In photosynthesis energy is obtained from .....

(5marks)

Answer any 5 Questions

01.

A. Complete the following dichotomous key .

Cow, Squirrel , Whale , Spider

(1)..... (2).....

E.g Cow (3).....

Presence of homes Absence of homes

E.g Cow

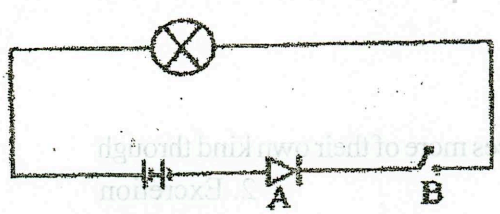
E.g (3)..... , Whale)

(6)..... (7).....

E,g Spider

E.g (8)..... E.g (9).....

B.



i. Name A and B in the above circuit

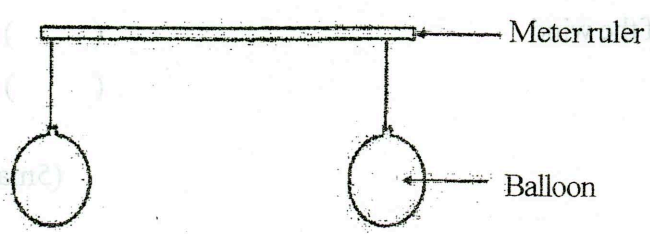
ii. What is the major use of A?

iii. Is the current flowing in this circuit from direction A to B or B to A?

iv. How will be the brightness of the bulb changed if we remove A and fix a resister there?

(6 marks)

02. The following experiment set up demonstrate a characteristic of mater.



i. Which characteric of matter is shown by this experiment .....

ii. What you have to do to demonstrate above characteric of matter? .....

iii. Draw a labelled diagram of the observation given above

iv. State 02 properties of solid matter

1. .....

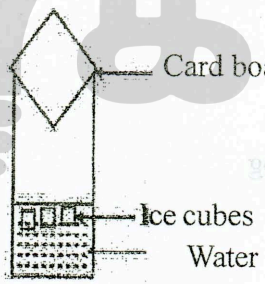
2. .....

v. State laboratory apparatus that used is measuring the followings

1. Volume of liquids .....

2. Mass .....

03) The following figure an activity to show the presence of water vapour in the atmosphere.



i. State an observation after adding ice cubes into the beaker .....

ii. Explain reasons for above observation .....

iii. What is the consumable percentage of water in the earth?

iv. Why water is considered as limited resource even througgh over 70% of the earth's surface is covered by water?

.....

.....

v. What is meant by water pollution

.....

vi. Write 02 ways of water pollution

1. .....

2. .....

A) Answer questions by using following words.

a. Plants	b. Sea anemone	c. Amoeba
d. Frog	e. Yesenia	f. Bat / g. Earthworm

i. An Organism who can not observe by our naked eye .....

ii. An animal who cannot loco mote .....

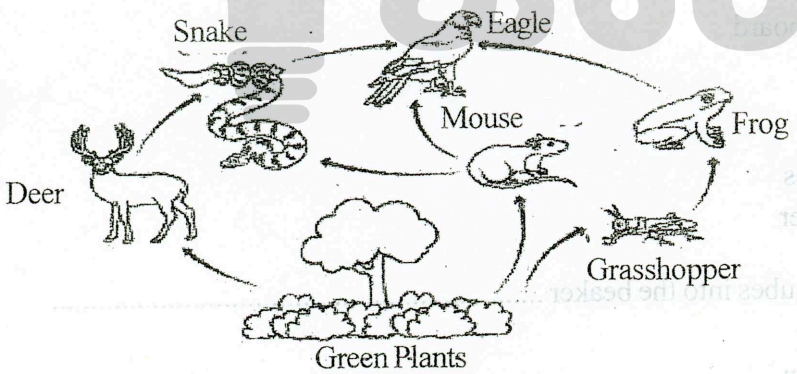
iii. A plant that shrink its leaves in the evening .....

iv. ..... show unlimited growth

v. An organism who uses skin, lungs buckle cavity in its respiration .....

vi. ..... is an animal who gives birth to offspring

B. Look at the food web and answer the following question



01. Name the producer in the food web.

.....

02. Name three consumers in the food web.

.....

03. What does a froge eat?

.....

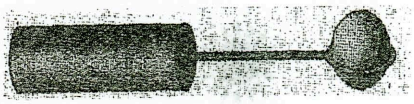
04. Name the apex predator in the food web.

.....

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

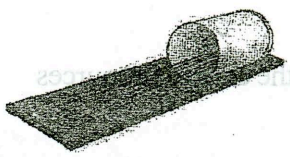
i. What is the observation

When heating the wire loop?



ii. Give the reason for the above observation.

Sound can e produced by the vibration of objects.



i. What do we call the objects that produce sound?

I. Non rhythmic sounds are called noises. Name two types of noises that can be heard in the urban environment

II. This is an instrument made by grade 6 students for the actives of 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.

06)

A. There are various types of magnets.

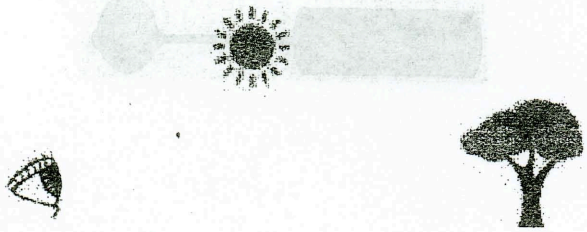
i. Name the given magnets

ii. You are provided with the given objects.

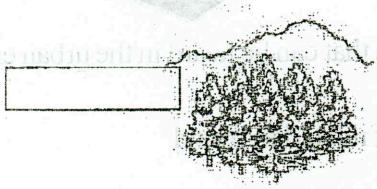
(a piece of iron, brass nail. copper wire, a coin, a pin apiece of plastic a needle, a piece of wood) fill the table using the given materials.

Objects attract towards magnet	Objects do not attract towards magnets

B. On the diagrams below the lines of reflected ligh



C. Name the energy Resources

1. 

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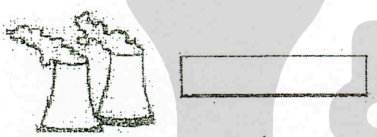
3. 

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