

## අවසාන වාර පරීක්ෂණය - 2024 (2025) இனுதி தவணைப் பர்ட்டைச் - 2024 (2025) / Year End Term Test - 2024 (2025)

ଶ୍ରେଣୀ  
ତ୍ରୁମ୍  
Grade } Grade 6

ନାମ  
ପେଯର୍  
Name

## Science - I, II

କାଲେ  
ନେରମ୍ }  
Time } 2 Hours

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Index No. } .....

## Part I

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

01. What is the gas released during photosynthesis?  
(1) Carbon dioxide      (2) Oxygen      (3) Nitrogen      (4) Hydrogen

02. A dichotomous key is used,  
(1) For classifying organisms      (2) For counting organisms  
(3) For determining the age of the organisms      (4) For measuring the size of the organisms

03. An example for a matter that has no definite shape or definite volume is,  
(1) Coconut oil      (2) Oxygen gas      (3) Brick      (4) Water

04. Which property of a material is explained by 'breaking in to pieces when applying a small force'?  
(1) Elastic nature      (2) Brittleness      (3) Malleability      (4) Ductility

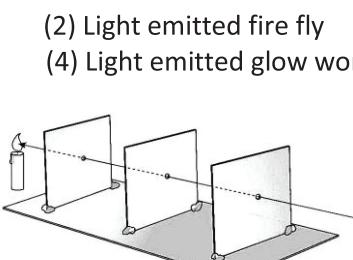
05. Which characteristic is used to classify water as fresh water, marine water and brackish water?  
(1) Density      (2) Mass      (3) Salinity      (4) Acidity

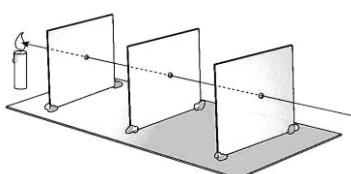
06. The types of bio-mass that can be used as fuels are ,  
(1) Plant and animal materials      (2) Geothermal energy  
(3) Coal and fossils      (4) Nuclear energy

07. What is the main natural source of energy on earth?  
(1) Water      (2) Wind      (3) Sun      (4) Coal

08. An example for a non-luminous object is,  
(1) Light emitted moon      (2) Light emitted fire fly  
(3) Light emitted candle      (4) Light emitted glow worm

09. Which property of light is tested by this?  
(1) Passing light through any substance  
(2) Travelling light along only straight lines  
(3) Acting light as a source of energy  
(4) Light needs a medium for propagation





10. An example for a natural sound is,

- (1) Sound of an aeroplane
- (3) Sound of a guitar

- (2) Sound of the school bell
- (4) sound of barking dogs

11. The correct statement regarding the magnets given in the figure is,

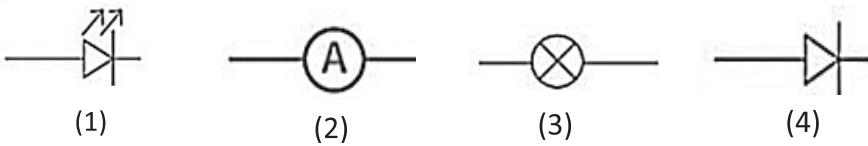
- (1) The two magnets attract towards each other
- (3) The two magnets remain at the same place
- (2) The two magnets repel from each other
- (4) The two magnets vibrate



12. The two metallic sheets used to make the simple cell are,

- (1) Two copper sheets
- (3) Two zinc sheets
- (2) A copper sheet and zinc sheet
- (4) Two iron sheets

13. The correct symbol of the light emitting diode is,



14. The average human body temperature is,

- (1) 35 °C
- (2) 37 °C
- (3) 38 °C
- (4) 39 °C

15. The main gas that causes for the increase of environmental temperature is,

- (1) Hydrogen
- (2) Oxygen
- (3) Carbon dioxide
- (4) Nitrogen

16. The animals who take both animal materials and plant materials as food are,

- (1) Herbivores
- (2) Carnivores
- (3) Omnivores
- (4) Autotrophs

17.



What happens rapidly, when the number of leopards in the food chain is reduced gradually?

- (1) Increase of number of deers gradually
- (3) Decrease of number of deers gradually
- (2) Increase of number of plants gradually
- (4) Decrease of number of plants gradually

18. The answer that shows the weather factor and the measuring apparatus correctly is,

A – Speed of wind -- anemometer

B – Rainfall -- rain gauge

C – Temperature -- thermometer

- (1) A and B only
- (2) A and C only
- (3) B and C only
- (4) All A, B and C

19. The main reason for the formation of a cyclone is,

- (1) Creating a pressure depression
- (3) Changing the direction of wind
- (2) Occurrence of heavy rain
- (4) Developing the sea waves

20. An example for ground water is,

- (1) River water
- (2) Tank water
- (3) Well water
- (4) Sea water

## Part II

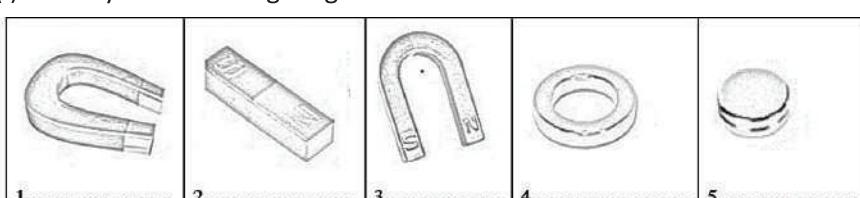
- First Question is compulsory.
- Answer the first question and four other questions.

01. Below shows the weather condition on 19<sup>th</sup> November in the three districts in Southern province.

- According to the above information, what is the district that shows the least temperature?
- What will be the disaster situation in Hambantota, if the prevailing weather condition continues for a long time?
- What is the common weather condition for both Galle and Matara districts on that day?
- The teacher says that, we must be careful when using electrical appliances with the prevailing weather condition in Galle district. What is the reason for this?
- Name two natural methods that can be used to generate electricity?
- Write two measures that can be taken to prevent accidents caused by electricity at home.
- Name a laboratory instrument used to identify a small current in a circuit?
- Re-draw the following electric circuits A and B, by using the standard symbols.

District	Weather condition
Galle	 26 °C
Matara	 29 °C
Hambantota	 33 °C

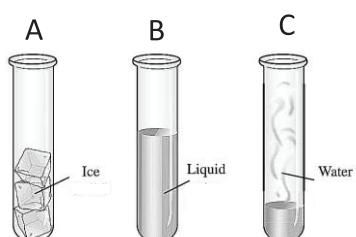
02. (A) (i) Identify the following magnets and name them.



- Name the two main poles of a magnet.
- Write an instance where the magnets are used in day to day life.
- We can hear different sounds in our daily life. Some of them are distressing, but some are not.
- How do the sounds generate?
- Mention a difference between music and noises?
- Name an instrument that produces sound.

03. (A) Water is a valuable natural resource.

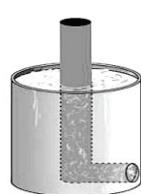
- Name the three physical states of water, labeled as A, B, C in the figure.
- What is the water pollution?
- Name two methods of water pollution.



(B) (i) This figure shows an apparatus used for cooking food.

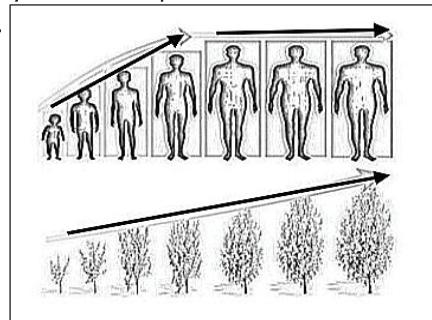
What is the name of this?

- What is the energy source used for this?
- Name two energy sources that can be used for cooking food, other than the energy source you mentioned above.

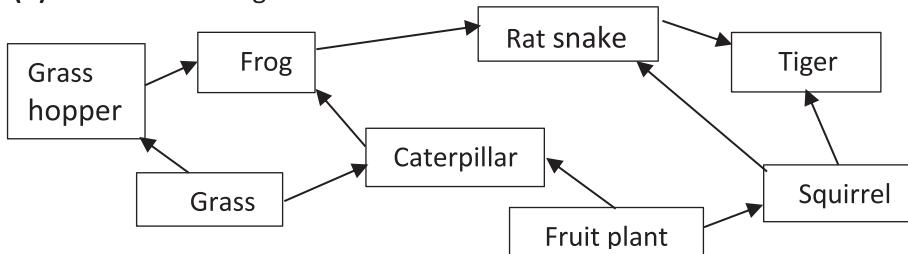


**04. (A)** There is a great diversity among plants and animals. It enhances the beauty of the biosphere.

- Observe the diagrams and write two possible conclusions you can draw.
- Name two locomotion patterns that can be observed among animals.
- Name an organism lives in ocean that cannot move, but shows different movements.
- Write an importance of the diversity of animals and plants for the environment.



**(B)** Below shows a figure of a food web.

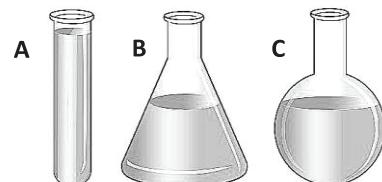


- Name two producers in this food web.
- Write a food chain with three links, taken from the above food web.
- Name a herbivore and a carnivore in the food web.

**05. (A)** (i) Volumes of 20 ml of water were poured in to the three vessels

A, B and C separately. Write two conclusions you can draw, by this activity.

- Name the three physical states of matter.
- How to name the rough or smooth nature of a surface when touching?



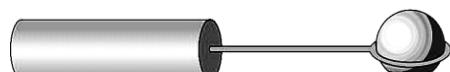
**(B)** According to the way of passing of light through different substances, they are of three types.

Using those types and the suitable examples, complete the following table.

Transparent	Translucent	(i).....
(ii).....	(iv).....	cardboard
(iii).....	(v).....	Metal sheets

**06. (A)** Following activity is carried out to test the behavior of solids in the presence of heat.

- Write the observation of this activity.
- Write the conclusion that you can draw, with the above observation.
- Name two instances that the above property of solids is used.



**(B)** Electricity is needed for a comfortable life. One method of generating electricity is shown below.

- Write the observation that you can get, when moving the magnet like in the figure?
- Write two examples for the instances where the method given in the figure is used, to generate electricity.
- Name the two main types of chemical cells that are used to generate electricity.
- Write two uses of electricity at home.

