සියලුම හිමිකම් ඇවිරිණි/முழுப் பதிப்புரிமையுடையது/All Rights Reserved

දකුණු පළාත් අධ්‍යාපන දෙපාර්තමේන්තුව
தென் மாகாணக் கல்வித் திணைக்களம்
Department of Education, Southern Province

අවසාන වාර පරීක්ෂණය - 2025
இறுதி தவணைப் பரீட்சை - 2025 / Year End Term Test - 2025

ශ්‍රේණිය தரம் Grade	Grade 6	SCIENCE	කාලය நேரம் Time	2 hours

නම பெயர் Name ..... විභාග අංකය சுட்டிலக்கம் Index No. .....

Part I

- **Underline the most suitable answer.**

01) What are the two main groups into which things in the environment are divided ?

(i) Water and soil (ii) Plants and animals (iii) Living things and non-living things (iv) People and buildings

02) In which state does a substance have a definite shape and a definite volume?

(i) Liquids (ii) Gases (iii) Solids (iv) Vapour

03) In which form is the highest amount of fresh water found?

(i) As river and lake water (ii) As underground water (iii) As glaciers in polar regions (iv) As vapour in atmosphere

04) What is the main energy source that maintains the water cycle?

(i) Wind (ii) Electricity (iii) Geothermal energy (iv) Sun

05) What are the two essential factors needed for vision?

(i) Eye and colours (ii) Brain and figures (iii) Eye and light (iv) Light and colours

06) What is the essential living characteristic for the continuous existence of a species?

(i) Movement (ii) Nutrition (iii) Growth (iv) Reproduction

07) One action that can be taken to reduce the energy consumption at home is,

(i) Using old electric bulbs (ii) Using electrical appliances for every task

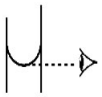
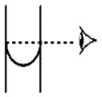
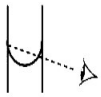
(iii) Using energy-efficient appliances (iv) Using electric bulbs during day time

08) What happens to the lime water used to confirm the presence of carbondioxide during exhalation?

(i) Becoming clear (ii) Turning into blue colour (iii) Turning into milky colour (iv) Evaporating

09) Due to smoothness of the talc, it is used to reduce friction when playing carom. What is the physical property felt by the fingers on talc? (i) Brittleness (ii) Ductility (iii) Elasticity (iv) Texture

10) The way of getting an accurate reading , when using the measuring cylinder is,

(i)  (ii)  (iii)  (iv) 

11) The **incorrect** statement regarding magnets is,

(i) The objects made by copper and aluminium are not attracted by magnets.

(ii) Always, a magnet lies along North – South directions.

(iii) An attraction force is exerted between like poles.

(iv) Poles of tabular magnets locate at both sides, not at the terminals.

Past Papers Wiki

12) The power station that produces electricity by wind is located at,

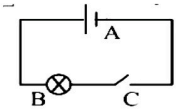
(i) Norochcholai (ii) Randenigala (iii) Kothmale (iv) Puttalam

13) The answer gives the instrument made by using the behavior of freely moving magnet and its function correctly,

(i) Barometer – measuring air pressure (ii) Compass – Finding the direction

(iii) Thermometer – measuring temperature (iv) Hygrometer – measuring humidity

14) Following shows a circuit diagram of a simple circuit. A, B, C are respectively,



(i) Switch, bulb, dry cell (ii) Bulb, dry cell, switch

(iii) Dry cell, switch, bulb (iv) Dry cell, bulb, switch

15) An organism whose body temperature **does not** change with the environmental temperature is,

(i) Lizard (ii) Frog (iii) Human (Iv) Butterfly

16) The most suitable answer for the state change (Gas ⟶ Liquid)

(i) Forming ice crystals (ii) Melting iron (iii) Forming frost (iv) Melting wax

17) Things expand due to heat. **Not an instance** of using expansion is,

(i) Fixing a rim onto a cart wheel (ii) Removing a tightly fitted lid from a glass bottle

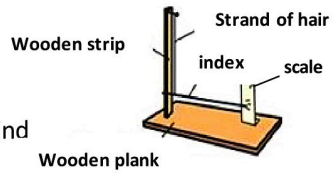
(iii) Measuring the temperature using a thermometer (iv) Welding iron using lead

18) The **false** statement regarding a food chain is,

(i) The 1st link in a food chain is always a green plant (ii) The 2nd link in a food chain is always an omnivore

(iii) Energy stored in the producer flows into consumers (iv) The 2nd consumer in a food chain is not a herbivore.

19) Different instruments are produced to present information about the weather. The name of the given instrument and the factor measured by it ,



(i) Simple hygrometer – humidity (ii) Anemometer – speed of wind

(iii) Rain gauge - rain fall (iv) Anemometer – direction of the wind

20) To minimize the risks caused by natural disasters,

(i) Should act in an eco-friendly manner.

(ii) Should follow the instructions given by the media.

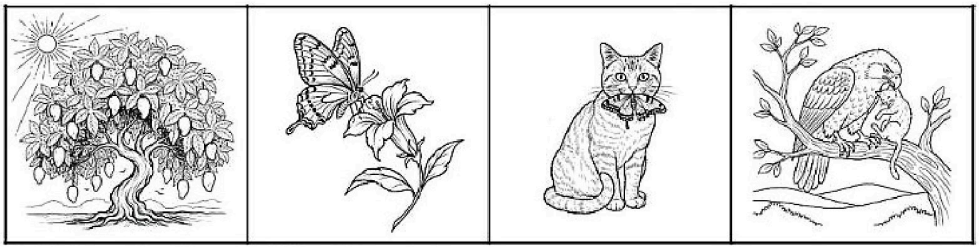
(iii) Should take actions according to the announcements issued by Meteorological department.

(iv) Should follow all of the above.

Part II

- **Answer the first question and four other questions.**

(01)(A) Related to the lesson "food related interactions", a student observed the environment and presented following images obtained from internet, based on the science teacher's instructions.



Past Papers Wiki

(Answer the questions based on above figures)

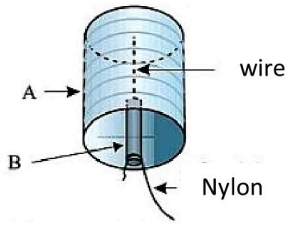
(i) Write a food chain with 4 links using above figures.

(ii) Name the producer and the 2nd consumer in that food chain.

(iii) Out of the above animals, write a herbivore, a carnivore and an omnivore separately.

(iv) If the number of hawks in the environment decreases gradually, with time, the number of cats may also decrease. Explain this.

(B) A device designed to scare animals that harm crops in the garden is shown below.



(i) What is this equipment?

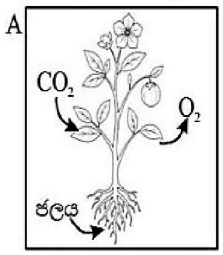
(ii) Name the materials used for making **A** and **B** here.

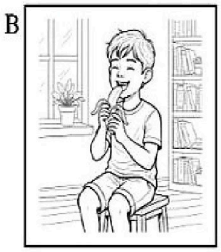
(iii) What should be done to make this device produce sound?

(iv) Write a natural sound and an artificial sound can be heard in the nature.

(v) Name the sensitive organ for sound in human body.

(02)(A) According to the way of satisfying the food requirements, organisms belong to two modes of nutrition.





(i) Identify and name the two nutrition modes given as **A** and **B** in the figure.

(ii) What is the energy source needed for the nutrition mode **A**.

(iii) What is the process shown by **B** ?

(iv) Name another process specific to animals only.

(B) Diversity of organisms is important for the beauty of the nature.

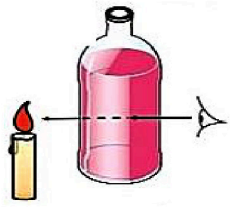
(i) Write the mode of locomotion and the locomotory organ of the animals fish and parrot, separately.

(ii) According to the living environment, classify the given plants.

(Valisneria, Kirala, Mango, Pandanus)

Environment	**aquatic**	**terrestrial**	**coastal**	**mangroves**
plant				

(03)(A) Following shows an activity done for observing the travelling of light through different liquids.



The test is done by filling the bottle with clear water, burnt engine oil, and muddy water separately.

(i) Name two translucent solid materials.

(ii) Fill in the table given below, related to the above activity.

subatance	**observation**	**Classifying the medium**
Clear water	Candle and light clearly visible	(a).....
Muddy water	(b).....	Translucent
Burnt engine oil	(c).....	(d).....

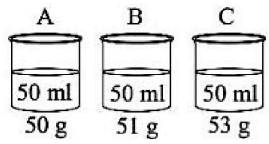
(B) Energy is needed for doing different tasks in daily life.

(i) What is an energy source?

(ii) Name 03 energy sources used for generating electricity in Sri Lanka at present.

(iii) Write a sustainable usage of energy resources

(04)(A) Figure shows three water vessels with different salinities.



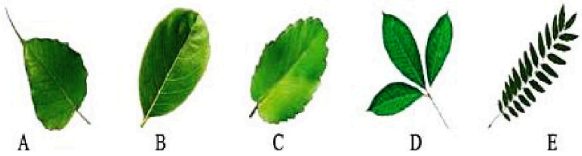
(i) Out of the given vessels, what is the vessel contains fresh water?

(ii) Water in which vessel can be used to produce salt?

(iii) Name the 03 types of water based on salinity.

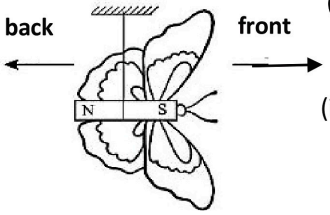
(B) Different methods are used to classify organisms.

(i) How to name the classification of organisms using the presence or absence of an external feature?



(ii) Classify the given leaves A, B, C, D, E according to the method you mentioned above.

(05)(A) Shown below is a suspended beautiful butterfly, made by attaching paper-cut wings to a light bar magnet.



(i) Out of the given, select and write the things attracted by the magnetic butterfly.

Copper coin, iron nail, steel sheet, aluminium wire

(ii) You are given another bar magnet to move the butterfly forward and backward. To move the butterfly as above, draw the way of placing a bar magnet in front of the butterfly . **a** – forward **b** – backward

(iii) Write the force (attraction / repulsion) used to move the butterfly forward and backward, separately.

a – forward **b** – backward

(iv) Write two instances that use magnets.

(B) A student says that the electricity can be generated by moving a magnet inside a coil.

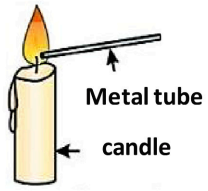
(i) Who was the first scientist to confirm the truth of the student's statement scientifically?

(ii) Name an electric source, that can be used to generate electricity as mentioned in the statement above.

(iii) Name a thermal power station in Sri Lanka.

(iv) As a student, write an action that you can get for conserving electricity.

(06)(A) Following activity is done for observing the state changes happens due to heat.



(i)(a) What you can observe when closing a burnt matchstick near to the free end of the tube?

(b) Which state of wax is responsible for the above observation?

(ii) Write the change of state happens when lighting a candle?

(iii) Write two environmental effects caused by heat.

(B) Following is a table of weather information collected from several major cities for a project of students.

Date	Maximum temperature	Minimum temperature	Maximum rainfall
2024.10.20	36.4 ^{0}C Polonnaruwa	12.3 ^{0}C Kandy	9.2 mm Kaluthara
2024.10.21	37.1 ^{0}C Polonnaruwa	13.5 ^{0}C Kandy	7.5 mm Hiniduma
2024.10.22	36.1 ^{0}C Polonnaruwa	12.8 ^{0}C Kandy	3.8 mm Neboda

(i) According to this table, mention the maximum temperature and the relevant place.

(ii) What is the instrument and the measuring unit, that is used to measure the temperature in cities?

(iii) What is the instrument and the measuring unit used to measure the rain fall?

(iv) Name another factor affect on weather.

(v) What is the natural disaster that can occur due to reduction of rain fall?

PAST PAPERS WIKI
WWW.PastPapers.WiKi

Downloaded From Past Papers WiKi - Sri Lanka's Largest Past Paper Bank