දෙපාර්තමේන්තුව ගුදුණුය. ගැහැම පැවැතිමේ නිකුකාස්සහාග Department of Education Control Province කළ පාර් දෙපාර්තමේන්තුව ගුදුණුය. ගැහැම කිරීමේ නිකුක් ප්රධාන ප්රධාන කර පාර්තම්න්ත් විද දෙපාර්තමේන්තුව ගුදුණුය. ගැහැම් කිරීමේ දුන්ත් කරන සම්බන්ධ විද්යා සම්බන්ධ විද්යා සම්බන්ධ විද්යා සම්බන්ධ විද්යා ස eදපාර්තමෙන්තුව மத்திய மாகாண ம**த்தியுளமாகாணாகல்வித்**ா**திணைக்களம்** உற**்** තාපත දෙපාර්තමේන්තුව ගුදුණුග ගැඳෙනු සභ්ඛ්දු නිකෙක්සුකෝ, Department of Education Central Province වසත් Department of Education Central Province වසාත් තාපත දෙපාර්තමේන්තුව ගුදුණුග ගැන්නේ සභාග්ය පුක්කාස්යක්ග විද්යාත්යක් වැඩි සභාග්ය වැඩි අවස්ථාවේ පළමුණු මේ සභාග්ය ප්රති Grade: 07 YEAR END TEST - 2019 Sicence - I Time: 2 Hours Name / Index No:..... **Instructions**:-• This paper consists of two papers. • Answer all the questions in part I. • Answer only five questions including the I and 2 questions. \* Underline the most suitable answer 01. International standard Unit of weight is, ii. Newton iv. Loaf i. Kilogram iii. Gram 02. Select the answer which gives the correct example for the type of roots. i.Prop roots - Pandanus ii. Aerial roots - "Kadol" iii. Climbing roots - "Betel" iv. Storage roots - "Kiri Ala" 03. Which answer includes the instrument that store electrostatic charges, its symbol and the units of electrostatic charges respectively? i.Capacitor, ─ ├─ ,Farade iii. Cell, — ├─ ,Volt ii. Diode, — Farade iv. Capacitor, \_\_\_\_\_, Amphere 04. Select the answer that contains only the invertebrates, i. Beatle, Leech, Gecko Butterfly, Snail, Prawn Turtle, Star Fish, Crab Bivalve, Sea anemone, Frog iii. iv. 05. The chemical substance that is used to identify water and its colour respectively are, Copper suphate - Blue Anhydrous copper sulphate - Blue i. ii. Anlydrous copper sulphate - White Copper sulphate - White iii. iv. \* Answer the questions 6 and 7 based on the diagram given below, regarding the information of electrostatic charges. (Wiping) (After wiping) 06. Arrows in the 1st picture show, i. Movement of positive charges ii. Movement of electrons iii. Exchange of positive (+) and Negative (-) charges iv. Movement of static electricity 07. Select the correct pair of materials for A and B

i.Troposphere ii. Thermosphere iii. Stratosphere iv. Mesosphere

ii. Glass, Silk

08. Where does the ozone layer situate in the atmospheric layers?

i. Glass, Woollen

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iii. Ebonite, Silk

iv. Ebonite, Metal

09. Some changes that can be done on the electromagnet are given below,

- A Using a more powerful magnet
- B Increasing the number of turns of a coil
- C Increasing the speed of moving

Correct methods to increase the efficiency of a dynamo are,

i. A and C ii. A and B iii. B and C iv. A,B and C

10. Gynoecium of a flower is given in the diagram below. Select the best answer for A,B,C and D parts



i. Stigma, Style, Ovary, Ovules

ii. Stigma, Style, Ovules, Ovary

iii. Style, Stigma, Ovary, Ovules

iv. Ovules, Ovary, Style, Stigma

11. Which characteristic is not seen in the image formed by a convex mirror?

ii. Smaller than the object I.Upright

iii. can be obtained on a screen iv. Lateral inversion

12. Which substance does not change the colour of a blue litmus paper? ii. Sodium Hydroxide solution I."Goraka" Juice

iii. Vinegar iv. Hydrochloric acid

13. Select the answer which includes only minerals.

I. Granite, Mica, Illmanite, ii. Mica, Illmanite, Gneis iii. Dolamite, Feldspar, Graphite iv. Dolamite, Gneis, Mica

14. The tectonic plate that Sri Lanka situates is,

i. Phillipine tectonic plate ii. Pacific tectonic plate

iii. Antactic tectonic plate iv. Austrailian - Indian tectonic plate

15. What is the observations that can be made when you insert the magnet into the coil and when you take out

the magnet as shown in the picture?

i.A and C

i. occur an electro - magnetic induction

ii. an electricity flow through the coil

iii. pointer of the Galvanometer moves

iv. an alternating current is passing through the coil

- 16. Given below are the statements regarding mirros.
  - A Convex mirror is used in the side mirrors of vehicles
  - B Convex mirrors are used to obtain light on to the stage of microscopes

C - The image formed by concave mirror is changed according to the distance of the mirror and the object

iii. B and C

iv. A,B and C

ii. A and B 17. Select the correct statement given about sound

Sound is propagated through vaccum also

ii. Speed of sound is higher through solids than liquids and gases

iii. Medium is not necessary for propagation of sound

iv. Speed of sound in air is less than the speed of light in air

18. What is the chemical substance present in sap of sugar cane?

i. Sodium chloride ii. Acetic acid iii. Sucrose iv. Fructose

19. The function of large intestine in the digestive system is,

i. digestion of food ii. absorption of nutrients iii. defecating iv. absorption of water

20. An action that cannot be taken for sustainable use of energy sources is,

i. Use of hybrid vehicles or electric vehicles ii. Minimize the use of plastics

iii. Avoid travelling when there is traffic iv. Use private vehicles instead of public transport

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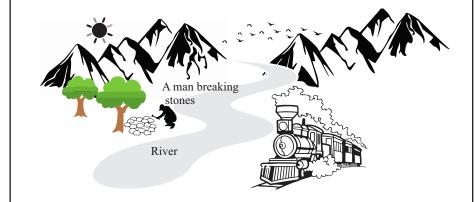
## Paper II

<u>**Part A**</u> - *Answer all the questions.* 

- \* Fill in the blanks using most suitable words.
  \* Use the given Diagrams to answer the questions.

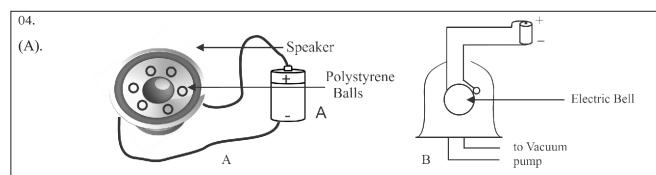
i. X .....

01.



(A) I. Write two renewable sources of energy in the picture.	(02 Marks)
1	
II. Write a fuel that can be used for trains.	
	(01 Mark)
III. Write two reasons shown in the picture that may cause air pollution in the environment.	, ,
1	
IV. A quarry worker is breaking a rock in the above picture. How does the man get energ	y to work?
	(01 Mark )
V. What is the method of heat transfer from sun to earth?	. (01 Mark)
(B) Animals live in various environments. Modifications of them to the environmental adaptations.	ent are known as
I) What is the term used to state blend of the colours of the animals to the particular of	environment.
	(01 Mark)
II) Give an example for the above adaptation of animals	(01 Mark)
III) Write an advantage that animals get by having such a adaptation.	(01 Mark)
02. (A) Some parts of the plants are given in the diagram below.	
A B C	
X Y	
I) Name X and Y in the picture. A	

II) What is the function of P in the plant?				
			(01 Mark)	
III) Study the venation type present in A. What is the type of root that can have in plants with such venation				
type among B and C			(01 Mark)	
IV) Write two differences between the plants with a root system B and with a root system C.				
Plants with root system B	Plants with	n root system	C	
i	i			
ii	ii		(02 Marks)	
(B) A balanced diet contains all the nutrients and fibres in correct proportion.				
I)Write a consequence of not having a balanced diet. (01 Mark)				
II) Write lack of which vitamin may cause following deficiency deseases.				
a. Bitots (spots in eyes)				
b. Rickets				
c. Scurvy (Bleeding of gum)			(03 Marks)	
Part B				
• Select three questions and answer.				
03. (A) Following instruments are provided to you.				
Composting avaines and draw sell		wit als		
Connecting wires a dry cell		witch	(02 Marks)	
,		(02 Marks)		
		(01 Mark)		
		(01 Mark)		
IV)Write the form of energy used up in the follow	wing instances.		(05 Marks)	
a. Streched rubber band -				
b. A propeller hold on to flowing water -				
c. A music played in a radio - d. A ballon was blown when it fixed to a mouth of an empty glass bottle which was kept				
in a hot water container -	moun of an empty gia	iss dottle will	ch was kept	
e. Formation of air bubbles when a piece of magnesium is added to dilute hydrochloric acid-				
(B) A set up arranged by a student to separate salt from sea water, at home is shown in the diagram.				
I)What is the advantage of heating salt solution i	in a flat tin lid?	(01 Mark)		
II) What did you observe at the end of the above	activity?	(01 Mark)	Salt solution tin lid	
III) What could be expected by opening the botto	om of the box?	(01 Mark)	tin lid	
IV) Name the instruments that can be used in the	laboratory		candle	
instead of the box?		(01 Mark)	A box with an opening	
V) Explain the reason for the salty taste of sea wa	ater.	(02 Marks)		
I .				

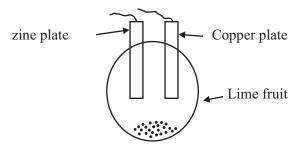


## The above diagram show two activities done by grade 7 students regarding the lesson 'sound'

- I) Write the observations of the above activities separately. (02 Marks)
- II) What is the conclusion of activity B. (01 Mark)
- III) What is meant by propagation of sound? (01 Mark)
- IV)Arrange solids liquid and gas in ascending order according to speed of sounds. (01 Mark)
- V) What is the reasons for delaying of hearing the sound when lightning than seeing the light? (02 Marks)
- (B) Given below are of two thermometers. Answer the questions given based on them.



- I) Name A and B thermometers (02 Marks)
- II )Write two features that help to identify thermometers separately? (02 Marks)
- III) Name two liquids used in the thermometers (01 Mark)
- IV) Write a factor that should be considered when using a thermometers. (01 Mark)
- V) Which property of liquids is used to make thermometers? (01 Mark)
- VI) What is the normal body temperature of human? (01 Mark)
- 05. (A) A set up prepared to produce electricity is given in the diagram below.

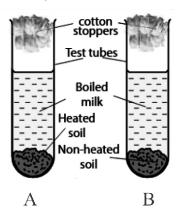


- I) Write the observation when you connect the above set up to a Milliammeter? (01 Mark)
- II) Name the positive (+) terminal and the negative (-) terminal of the above set up. (02 Marks)
  - (+) terminal :- (-) terminal :-
- III) Name an acid in the laboratory that can be used instead of lime fruit. (01 Mark)

IV) How do we name this type of electric sources?

V) Is the current produced in the above set up is a direct current or an alternating current? (1 Mark)

(B) An activity done based on the lesson soil is given in the diagram.



I) Test tubes used in the above activity are boiled in the water before using. What is the reason for it? (01 Mark)

II) What is expected by fixing cotton stoppers to test tubes?

(01 Mark)

III) What could be observed after few hours?

(01 Mark)

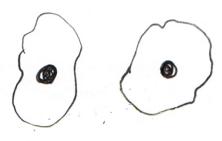
(1 Mark)

IV) Write the reason for your answer?

(02 Mark)

(C) Diagrams of two specimens observed under compound light microscope are shown below.





I) Name A and B (02 Marks)

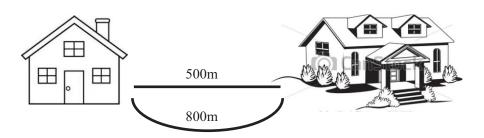
II) What is the structural and functional unit of organisms?

(02 Marks)

III) Name the tissue that transport water and minerals in the plant.

(01 Mark)

06.(A)



The path from Dumindu's home to school is shown in the picture.

I) When Dumindu goes to school and come back,

a. Find the total distance that dumindu walked.

(01 Mark)

b. What is the displacement of Dumindu?

(01 Mark)

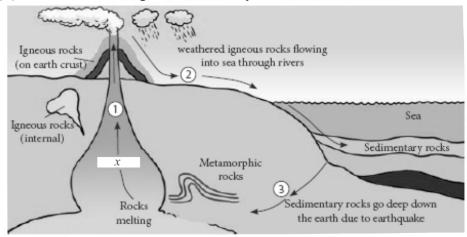
II) Name a vector factor mentioned above?

(01 Mark)

III) Explain the reason for your answer.

(02 Marks)

(B) Given below is a diagram of the rock cycle.



I) Name the process labelled as 2.

(01 Mark)

II )Name the type of rock formed by solidified larva in volcanic eruptions. Give two examples for that type of rocks.

(02 Marks)

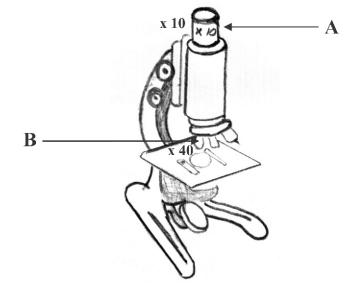
III) Write the word used for 'X' in the diagram.

(01 Mark)

IV) Acid rains cause weathering of rocks. Name a gas that causes acid rains.

(01 Mark)





## A Compound light microscope is given in the figure above.

I) Name A and B in the figure.

(02 Marks)

II) What is the magnitude of the above microscope when observing a specimen.

(02 Marks)

III) Write a factor that should be taken in to consideration when using a microscope. (01

(01 Mark)