



Name _____

Subject _____

REFERENCE ONLY

Class No. _____

2nd Term Test - 2016

Grade - 7

Science.

PART I

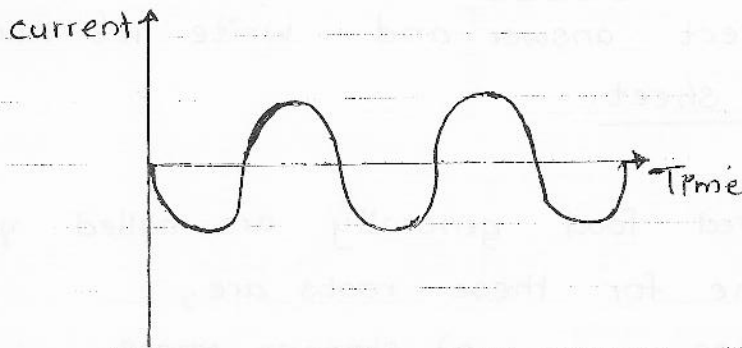
* Select the correct answer and write its number in the answer sheet.

- (1) Roots which stored food generally are called yams. The special name for these roots are,
- 1) root nodules
 - 2) storage roots.
 - 3) Prop roots
 - 4) Stilt roots.
- (2) Group of leaves which show parallel venation.
- 1) Grass, bamboo, coconut
 - 2) Mango, Jak, Breadfruit
 - 3) Grass, bamboo, Jak.
 - 4) Bamboo, Jak, coconut.
- (3) The main function of plant leaves is photosynthesis but some leaves produce new plants. select the group of leaves which produce new plants.
- 1) Orchid, croton.
 - 2) croton, begonia
 - 3) Akkapana, Begonia.
 - 4) Orchid, Akkapana.
- (4) Sepals are special structures in flowers. The main function of them is,
- 1) collecting pollens.
 - 2) Protect tender buds
 - 3) produce seeds.
 - 4) protect tender leaves.
- (5) "cotton, wara, hora and Gammalu"
- The above fruits and seeds are dispersed by.
- 1) animals
 - 2) wind
 - 3) Explosion
 - 4) water.

(6) An appliance which stored static electric charges.

- 1) Ammeter
- 2) Galvanometer
- 3) Switch
- 4) Capacitor.

(7) When a current is plotted against the time, the pattern of the graph is given below. What is the type of current.



- 1) Direct
- 2) alternating
- 3) Direct and alternating
- 4) None of the above.

(8) Water is used to cool the engine of vehicles. Which property of water is used.

- 1) solvent
- 2) as a medium
- 3) coolant
- 4) as an insulator

(9) Which of the following solution turns phenolphthalein into pink.

- 1) Dilute sulphuric acid
- 2) sodium hydroxide.
- 3) Dilute Nitric acid
- 4) Pure water.

(10) "Snail, worm, starfish"

Above animals are,

- 1) Vertebrates
- 2) Amphibians
- 3) Invertebrates
- 4) Reptiles.

(11) Ability to do work is known as energy. What is the International unit of measuring energy?

- 1) Kilogram
- 2) volt
- 3) Ampere
- 4) Joule.

- (12) In 2004 Tsunami brought severe destruction to the coastal areas of Sri Lanka. This was happened because of
- 1) The high tides and low tides of the sea.
 - 2) a cyclone
 - 3) an earthquake occurred near the Sumatra Island.
 - 4) None of the above.

(13) Changing the left and right sides of an image formed by a plane mirror is called,

- 1) Reflection
- 2) Refraction
- 3) Lateral inversion
- 4) Virtual.

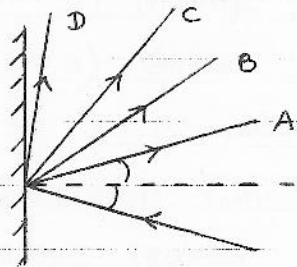
(14) The honour of making the first microscope, goes to,

- 1) Charles Darwin
- 2) Ptolemy
- 3) Benjamin Franklin
- 4) Anton Van Leeuwenhoek.

(15) The place where the seismometer is installed in Sri Lanka,

- 1) Kandy
- 2) Colombo
- 3) Pallekelle
- 4) Trincomalee.

(16) Which path shows the correct reflection of light by the plane mirror.



- 1) A
- 2) B
- 3) C
- 4) D.

(17) An example for a neutral substance.

- 1) Salt
- 2) Lime
- 3) Vinegar
- 4) Sodium hydroxide.

(18) When we increase the rotating speed of a bicycle dynamo, the amount of electricity generated is,

- 1) increased
- 2) Decreased
- 3) No change
- 4) first increased and then decreased.

(19) Stamen of a flower is called

- 1) ovary
- 2) filament
- 3) Androecium
- 4) Petals.

(20) Positive terminal of a simple cell is,

- 1) Zinc sheet
- 2) Carbon sheet
- 3) Sulphuric acid
- 4) copper sheet.



Name: _____
Subject: _____

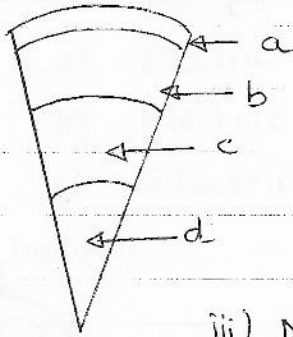
Class: _____
Class No: _____

REFERENCE ONLY

Grade 7 - Science

Part II

①



i) The diagram give above shows the inner layers of the earth. label a, b, c, and d.

ii) Name the layer which organisms live.

iii) Name the part which contains liquid metals such as iron and nickle.

iv) Tectonic plates of the earth move relatively to each other in three ways. Simply explain them with diagrams

v) Name the tectonic plate where sriLanka is situated.

vi) Write 2 methods that geologists obtain information about the nature of the inner part of the earth.

② i) Divide the following solutions in to acids, bases and neutrals.

[Lime juice, Shampoo, salt solution, Vinegar
soap water, sugar solution]

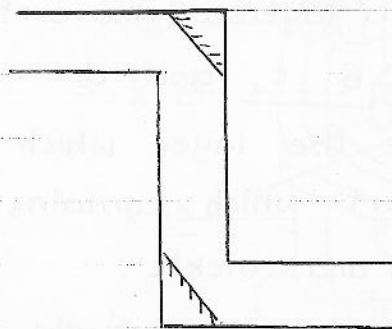
ii) Name 3 natural indicators.

iii) Recall the memory of the experiment you have done in the school laboratory to identify the acidic and basic substances. Copy the table below and fill it.

Solution	blue litmus	Red litmus
Vinegar		
Soda water		
water		

iv) Apart from litmus papers name 3 indicators can be used to identify acids and bases in the school lab.

The instrument given below was made by the students of grade 7



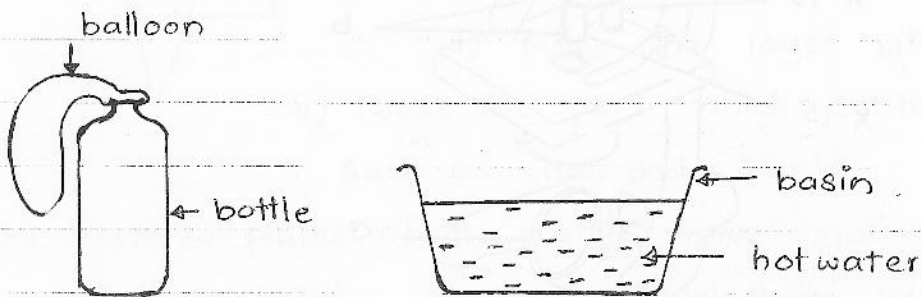
- i) Name the above instrument.
- ii) Copy the above diagram and show the path of the light ray, when you observe an object from low level
- iii) Write an instance where we use this object.
- iv) copy the table below and fill it with the number of images formed in each angle.

Angle between two mirrors.	No. of images formed
90°
60°
45°

- v) Write 2 features of an image formed by a plane mirror.
- vi) Write an instance where we use multiple images.
- v) Draw a diverged beam of light and converged beam of light.

- 1) i) Explain what is kinetic energy.
- ii) Write 2 instances where kinetic energy of wind is used.
- iii) What is energy transformation?
- iv) Write the energy transformation of the following appliances.
- Electric bulb
 - Electric fan.
 - Electric bell

v)

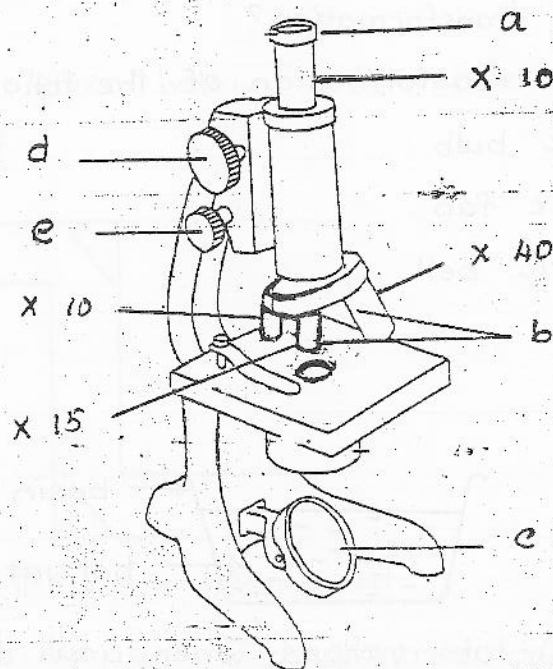


- Write your observations when you dip the bottle in hot water basin.
- Show your observation with a diagram.
- What is the type of energy used in this activity.

Q-5 →

P.T.O.

5



- i) Label a, b, c, d, e
- ii) What is meant by the magnification power of a microscope.
- iii) Find the maximum magnification of the above microscope.
- iv) What do you call the minimum distance by which two points must be separated in order to be seen as two distinct points.
- v) What is the maximum magnification power of an electron microscope.
- vi) If the microscope is not used for a long period of time, where do the lenses stored.
- vii) Name an instance where we use a light microscope.