



Zonal Education office, Vadamaradchy

Third Term Examination 2017

Science

Grade: 06

Time : 2.00 Hrs

Index No. :

Part I

v Select the most suitable answer.

01. Which is not a common characteristic feature for all living organisms.

- (1) respiration (2) growth (3) photosynthesis (4) reproduction

02. Percentage of water suitable for consumption in the earth is

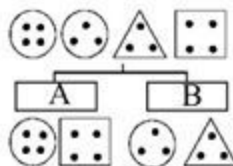
- (1) 10% (2) 0.1% (3) 0.01% (4) 0.001%

03. The matter which shows the shape of the container is

- (1) milk (2) stone (3) Firewood (4) oxygen

04. Dichotomous key of some selected buttons is given below. Characteristic features of buttons denoted by A, B are respectively.

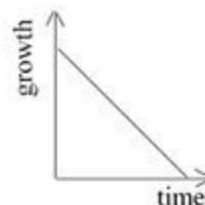
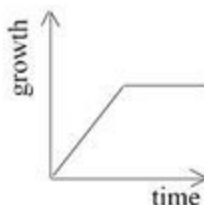
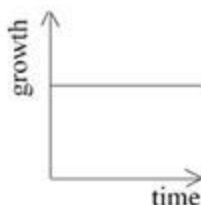
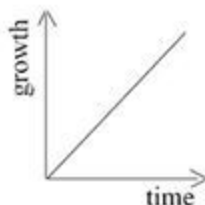
- (1) With four holes, with three holes
(2) Square, not square
(3) round, not round
(4) with four holes, without four holes.



05.



A student wants to show growth of a given organism by a graph. The correct graph will be



06. The correct statement is


- (a) Moon is a luminous object.
(b) Firefly is a luminous organism
(c) Sun is a source of light.
(1) a, b (2) b, c

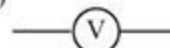
(3) a, c

(4) a, b, c

07. The standard symbol of galvanometer is

- (1)  (2) 

(3) 

(4) 

08. An example for secondary cell is

- (1) dry cell (2) Led acid cell (3) camera battery (4) wrist watch battery

09. Thermal power station is situated at

- (1) Hambantota (2) Kothmalle (3) Pullopallai (4) Nuraicholai

10. The magnet shown here is



- (1) Lens type magnet (2) Horse shoe magnet
(3) Round magnet (4) Ring magnet

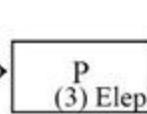
11. Sound that does not cause mental stress is

- (1) Sound of vehicle (2) Sound of engines in factories
(3) Noise in a fair (4) playing flute

12. Electrolyte in a simple cell is

- (1) dilute sulphuric acid (2) water
(3) Hydrochloric acid (4) Vinegar

13.



In this food chain P is

- (3) Elephant (4) Leopard

14. Who introduced the hydro electric power in Sri Lanka

- (1) Michel Faradae (2) Vimala Surendra (3) Vimala dasa (4) G.G. Ponnampalam

15. Which is not a usage of light

- (1) Medical purpose (2) Communication purpose
(3) Hearing objects (4) In hobbies

16. Which optical device is used to converge the parallel beam of light in a point

- (1) convex lens (2) concave lens (3) concave mirror (4) Covex mirror

17. Which is not a biomass fuel

- (1) firewood (2) Cowdung (3) Sawdust (4) kerosene

18. This diagram shows



- (1) a compass (2) an Anemometer
(3) a wind vane (4) Telescope

19. At what metal iron change into liquid is

- (1) Freezing (2) Vaporization (3) Condensation (4) Melting

20. The mosquito which spread dengue fever is

- (1) Culex (2) Anophilis (3) Aides (4) Culex, Anophilis

(20×2=40 marks)

Part II

~~Answer all questions~~

Grade 06 Science

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Third Term Examination

01. Fill in the blanks with suitable words.

Micro organism, Auto trophs, Diode, Energy, Magnetic pole, Vibration, Natural disaster, The Sun, Electric circuit, Temperature.

- 1) The plant producing its own food by using sunlight is called
- 2) Electric current flows in
- 3) Organisms which are categorized into three main groups as plants, animals and
- 4) Amount of heat in an object is
- 5) occurs due to the climatic changes such as cyclone, land slide, drought and flood.
- 6) An electronic device that is used to allow electric current only in one direction is
- 7) In magnets Magnetism is high in
- 8) In photosynthesis energy is obtained from
- 9) An object which does not have mass and not occupying space is
- 10) Sound is produced by of an object.

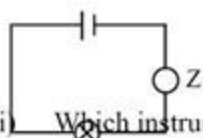
(10×1=10 marks)

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

- 1) Glaciers are example for solidstate of water. ()
- 2) Gills are respiratory organ of fish. ()
- 3) Substance that conduct electricity is called insulator. ()
- 4) Wind vane is used to identify the direction of the wind. ()
- 5) Always magnet comes to rest in North - south direction. ()
- 6) Above 70% of the earth is covered by land. ()
- 7) Sound is produced by vibration of air in string instruments. ()
- 8) A matter which has not definite volume and easy to compress is called liquid. ()
- 9) Energy producing process in a body is called growth. ()
- 10) Many electric appliances connected in one plug will not cause an electric accident. ()

(10×1=10 marks)

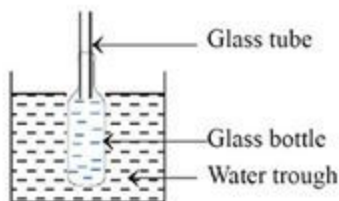
03.



Above circuit is prepared by a student to measure the electric current which passes through the circuit.

- (i) Which instrument should be connected at z and mark it in the above circuit?
- (ii) Which measurement can be measured by above device?
- (iii) Which type of instrument is used to measure a small electric current effectively?
- (iv) Give the voltage of a dry cell.
- (v) Which instrument is used to measure the voltage of an electric cell.
- (vi) How do you connect the above instrument in above circuit.
- (vii) What will happen to the Ammeter reading when increasing the number of drycells?
- (viii) Denote the direction of electric current in dry cell.
- (ix) Re-draw the above circuit by using LED instead of filament bulb. (10 marks)

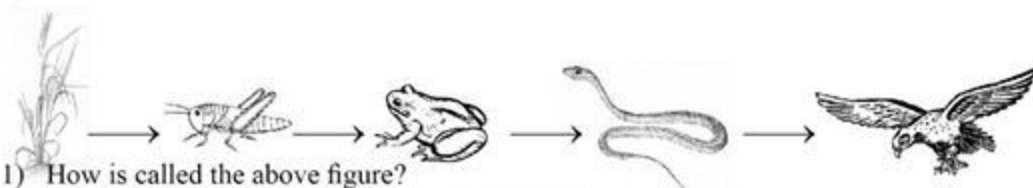
04. The setup given below is prepared by Grade 6 students to observe the expansion of liquid.



- 1) Give your observation when the bottle is kept in hot water.
- 2) Give your reason for your observation.
- 3) Can you see the height of the liquid column are same when using varrious types of liquids.
- 4) Give the reason for that.
- 5) Give two liquits which are used in thermometer

(5×2=10 marks)

05.



- 1) How is called the above figure?
- 2) Which is the first link of the above food Chain?
- 3) Give the number of links in the above food chain?
- 4) Which is herbivorous?
- 5) Give two examples for carnivorous?
- 6) Why plants are called autotrophs?

(10 marks)

06. Give short answers.

- 1) What is weather?
- 2) Give two examples of natural disaster held in Sri Lanka.
- 3) If it takes 10 minutes for fifty rotations. What is the speed fo Anemometer?
- 4) Give the color of the dry cobolt chloride paper.
- 5) Give three types of musical instrument based on producing sound.
- 6) What are the gravitational forces that associated with tidal waves?

(10 marks)