



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

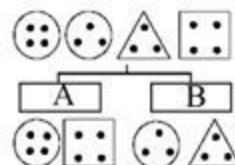
(1) 10% (2) 0.1% (3) 0.01% (4) 0.001%

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.

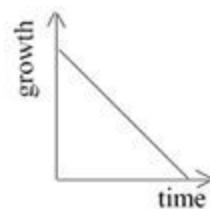
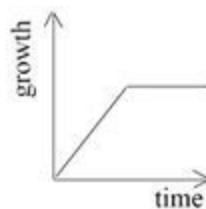
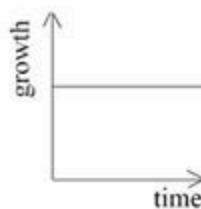
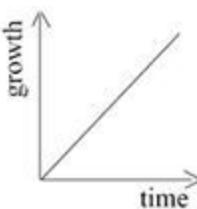
(1) With four holes, with three holes
(2) Square, not square
(3) round, not round
(4) with four holes, without four holes.



05.



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

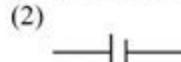


06. The correct statement is

(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)



(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

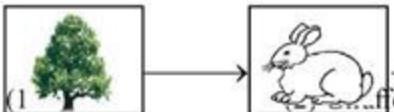
11. Sound that does not cause mental stress is

(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) Lepard

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 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

01. Fill in the blanks with suitable words.

Micro organism, Auto trophs, Diode, Energy, Magneticpole, 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.

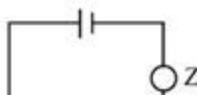
(10×1=10 marks)

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

- 1) Glaziers are example for solid state 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)

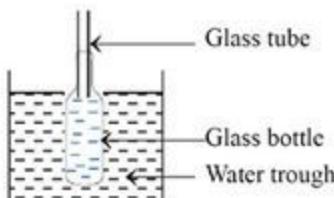
03.



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 dry cells?
- (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)

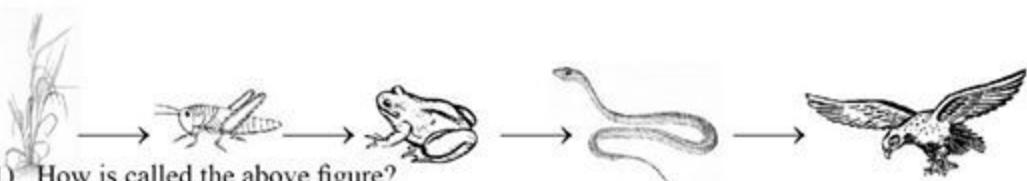
04. The setup given below is prepared by Grade 6 students to observe the expansion of liquid.



- 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 various types of liquids.
- 4) Give the reason for that.
- 5) Give two liquids 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 of Anemometer?
- 4) Give the color of the dry cobalt 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)