



## Royal College - Colombo 07

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Grade 6 – First Term Test – April 2019

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Time : 2 hour

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### Science – I úoHdj – I

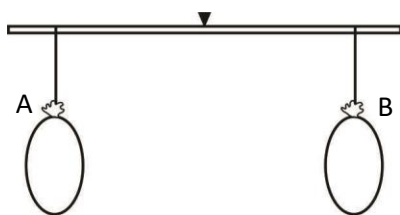
Name :- ..... Grade : -..... Index number:-.....

- **Underline the correct answer.**
- **Answer all questions in Part I**

- A type of energy is,  
(1) Water                      (2) Air                      (3) Light                      (4) Oxygen
- Select the beneficial effect of micro-organisms,  
(1) Decomposing garbage.                      (2) Causing different diseases.  
(3) Living in water, soil and air.                      (4) Not visible to the naked-eye.
- Select the incorrect statement,  
(1) In the process of producing energy in the body carbon dioxide is release.  
(2) For the process of photosynthesis, carbon dioxide is taken from air.  
(3) There is no limitation of growth in both plants and animals.  
(4) The energy needed for photosynthesis is provide by the sun.
- The animal that cannot move but show different movements is,  
(1) Coral polyp                      (2) Jelly fish                      (3) Star fish                      (4) Snail
- Select the group of materials, which shows brittleness,  
(1) Chalk, Copper, Glass                      (2) Charcoal, Chalk, Glass  
(3) Iron, Charcoal, Copper                      (4) Lead, Charcoal, Chalk
- Not a type of precipitation,  
(1) Snow                      (2) Hail  
(3) Water in wells                      (4) Rain

7. The percentage of consumable water on earth is,  
 (1) 2.58% (2) 10% (3) 0.01% (4) 97.4%
8. Which is not a physical property of "gold"?  
 (1) Ductility  
 (2) Malleability  
 (3) Lusture (shinning)  
 (4) Elasticity
9. The amount of water that we have to consume per days is,  
 (1) 2 liters (2) 1 liter  
 (3) 500 milliliters (4) 5 liters
10. 'Malleability' can be defined as,  
 (1) The ability of a metal to be drawn into thin wires without breaking.  
 (2) The ability of a metal to be drawn into thin sheets wires without breaking.  
 (3) Tendency of a material to break easily.  
 (4) The property of increasing the length by a force.
11. An animal does not suck juice is,  
 (1) Butterfly (2) Bee (3) Cockroach (4) Fruit fly
12. The chemical that can be used to identify, carbon dioxide is,  
 (1) Copper sulphate  
 (2) Condis  
 (3) Lime water  
 (4) Water
13. Granite is used for the foundations of houses, because it's having the property of,  
 (1) Hardness  
 (2) Roughness  
 (3) Ductility  
 (4) Elastic nature

14. What will be the correct observation and the conclusion, after making a hole is made on balloon B using a pin.

ObservationConclusion

- |     |                           |                     |
|-----|---------------------------|---------------------|
| (1) | Side 'B' moves downwards. | - Air has a mass    |
| (2) | Side 'A' moves downwards. | - Air has a mass    |
| (3) | Side 'A' moves downwards. | - Air hasn't a mass |
| (4) | Side 'B' moves downwards. | - Air hasn't a mass |
15. Which of the following vegetable contains highest percentage of water?  
 (1) Long beans (2) Leeks (3) Cucumber (4) Brinjal
16. The process of producing energy in living organisms is,  
 (1) Nutrition (2) Reproduction (3) Respiration (4) Growth
17. Select the incorrect statement about water.  
 (1) Water exist on three physical states.  
 (2) Pure water contains no dissolved salts.  
 (3) The water in lagoons, is known as fresh water.  
 (4) Human body consist over 70% of water.
18. What is the most suitable equipment used to observe micro-organisms?  
 (1) Binocular (2) Telescope  
 (3) Compound microscope (4) Hand lens
19. Select the pair of materials, that can be turns into solid, liquid and gaseous states easily,  
 (1) Copper and Iron (2) Brass and gold  
 (3) Wax and water (4) Steel and copper
20. The incident which does not belong to non-living organisms,  
 (1) Folding leaves of some plants in the evening  
 (2) Burning of a piece of wood  
 (3) Propagation of green gram seeds and growing in to plants  
 (4) Calf feeding from it's mother



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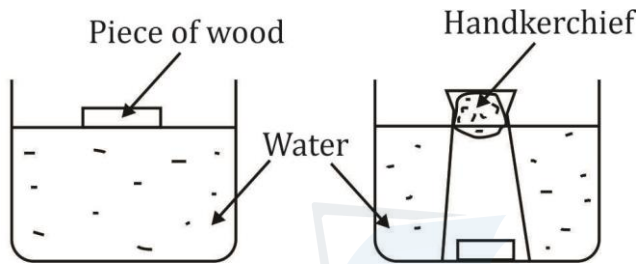
Science – II

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Name :- ..... Grade : -..... Index number:-.....

*Answer the first question and four other questions.*

(1)



According to the above diagram a glass with a handkerchief is sunk in water, over a floating piece of wood.

- (i) What type of matter can be there inside? (2 M)
  - (ii) Write down 2 observations of above activity. (2 M)
  - (iii) What is the conclusion? (2 M)
  - (iv) What is your observation, when the glass is tilted inside the water basin. (2 M)
  - (v) Write the state of matter of piece of wood. (2 M)
  - (vi) Name the feature of the above matter which cannot be observed in the two type of other matters. (2 M)
  - (vii) Mention the two characteristics that are common for all 3 states of matter. (2 M)
  - (viii) Name 2 substances that can appear in all 3 states of matter. (2 M)
- (16 M)

(2) Fill in the blanks by using the given words below.

( chemicals, respiratory movements, detergents, dehydration, mass, gills, aquatic, surface water, type of food, condenses, evaporating)

(i) Animals can be categorized into 3 groups as herbivores, carnivores and omnivores based on the ..... they eat.

(ii) More kidney patients can be seen in north central province, because the water in that area contains .....

(iii) Water vapor in the atmosphere ..... into tiny drops of water and can be seen on the outer surface of the glass of a closed air conditioned vehicle in a cold day.

(iv) ..... Can occur when more water is removed from the body, due to vomiting and diarea.

(v) The amount of matter in an object is known as the ..... of the object.

(vi) The respiratory organ of fish is .....

(vii) Water in ocean belongs to .....

(viii) When washing clothes in water bodies, ..... are added into water and it becomes polluted.

(ix) Common salt is produced in slatterns by ..... sea water.

(x) Plants are respiring but do not show .....

(xi) Lotus is an ..... plant.

(1 x 11 = 11 M)

(3) Mark (✓) or (X)

(i) Plants show diversity according to their living environment. (.....)

(ii) Light hasn't a mass but occupy space. (.....)

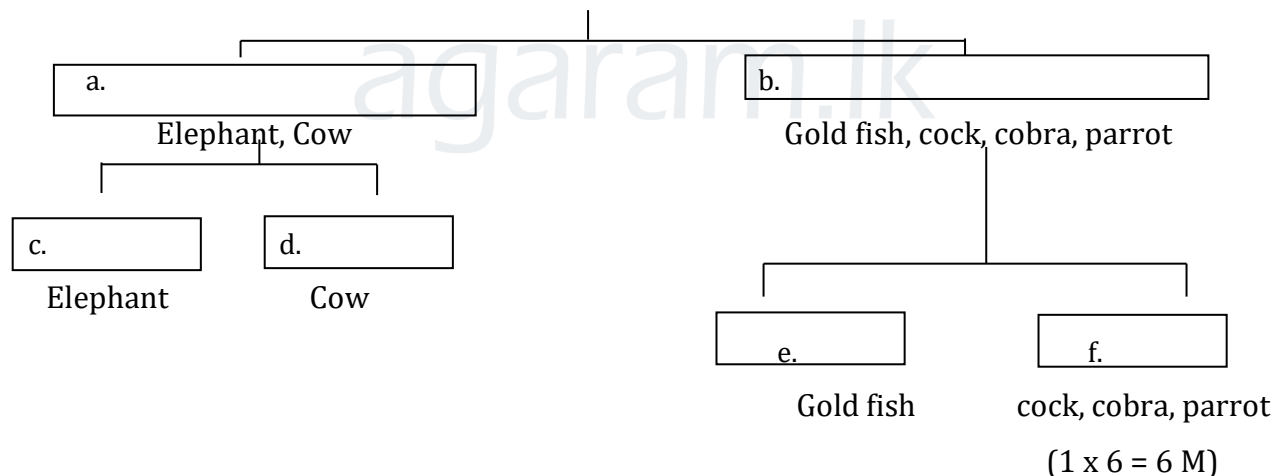
(iii) When turning gas jar upside down, it is easy to fill the

- smoke of joss sticks. (.....)
  - (iv) Mercury is a substance in liquid state. (.....)
  - (v) Animals are heterotrophic. (.....)
  - (vi) Plants release oxygen to the atmosphere in photosynthesis. (.....)
  - (vii) All creeping animals do not have legs. (.....)
  - (viii) The tip of bo-leave is long. (.....)
  - (ix) Steam is an example for liquid water. (.....)
  - (x) Latex of jak do not dissolved in water. (.....)
  - (xi) The solid state of water can be seen in glaziers. (.....)
- (1 x 11 = 11 M)

(4) (i) Which kind of features should be used in classifying organisms using a dichotomous key. (1 M)

(ii) Fill in the blanks of a, b, c, d, e, and f

Gold fish, elephant, cock, cow, cobra, parrot



(iii) Classify given animals according to the type of food they eat. (3 M)

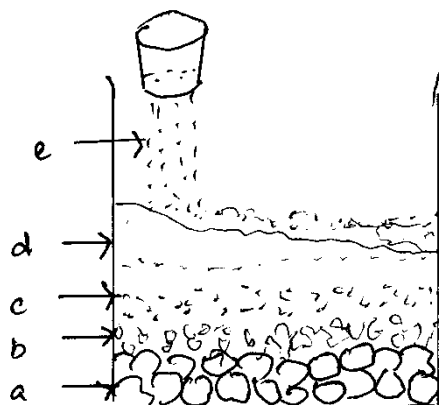
Cock -

Cobra -

Parrot -

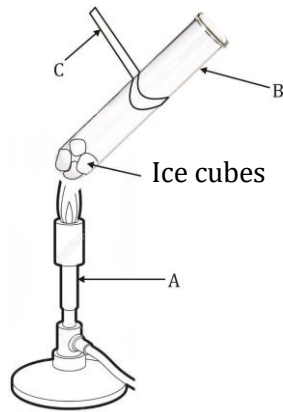
(iv) Mention 2 aquatic animals except 'fish'. (1 M)

- (5) The following diagram shows an activity prepared by a group of Grade 6 students with the help of their teacher.



- (i) Name a, b, c and d. (2 M)
- (ii) What is name given to the natural process denoted by 'e' (1 M)
- (iii) Mention the term used to define the water remaining among a, b and c components. (1 M)
- (iv) How can we use above mentioned water (in part iii) in our day to day life? Explain. (3 M)
- (v) Define the term "salinity of water". (1 M)
- (vi) Mention the 3 types of water, based on 'salinity'. (3 M)
- (6) Respiration is a common feature of every organism. But there is not respiration in non-living things.
- (i) Name the gas which is absorbed to the body in the process of inhaling. (1 M)
- (ii) Write the function of the above gas. (2 M)
- (iii) We are releasing carbon dioxide which is formed in respiration, through exhaling. What is the solution used in the laboratory to identify carbon dioxide gas? (1 M)
- (iv) Write down the observation of above activity (in part iii) (1 M)
- (v) Write down 3 characteristics of living organisms other than respiration. (3 M)
- (vi) What is the term used to define the organisms that cannot be seen with the naked eye? (1 M)
- (vii) Mention 02 type of organisms that cannot be seen with the naked eye. (2 M)

(7) The following diagram shows an activity, designed to identify the physical states of water.



- (i) Name the A, B and C. (3 M)
- (ii) Mention the state of water that you observe, just after dissolving the ice cubes. (1 M)
- (iii) When boiling water a glass was held over the boiling tube by the teacher.  
What will be the observation? (1 M)
- (iv) Fill the blanks of the following flow chart, mentioning the physical states of water. (2 M)



- (v) Write down 2 examples, for water in solid state. (2 M)
- (vi) Mention 2 human activities which causes 'pollution of water'. (2 M)