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<p>දෙවන වර්ග පරීක්ෂණ - 2018 Second Term Evaluation - 2018</p>		
<p>6 ශ්‍රේණි Grade 6</p>	<p>විෂය Science</p>	<p>විෂය කාලය Two Hours</p>

Part I

1 Answer all questions given below

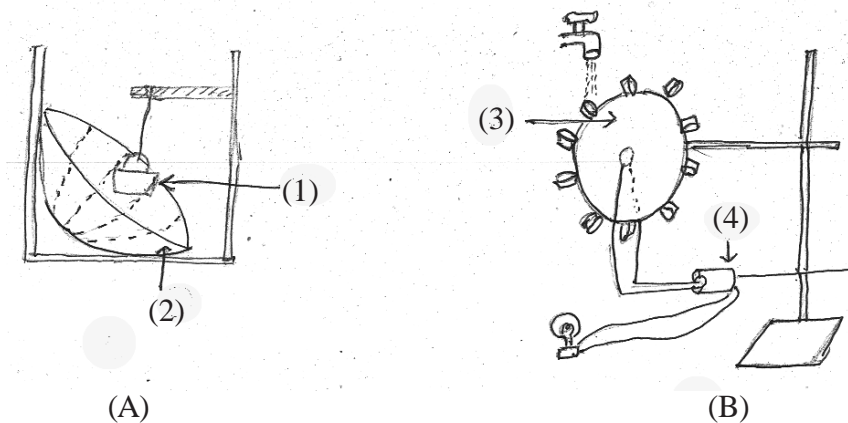
- What is the common characteristic of living organisms which is specific to plants ?
(1) Movement (2) Respiration (3) Synthesis of food (4) Growth
- What is the liquid that has a mass and which occupy a space ?
(i) Milk (2) Water vapour (3) Smoke (4) Air
- Apparatus of the following which one is used to measure the volume of a liquid in the laboratory ?
(1) Watch glass (2) Measuring cylinder (3) Spring balance (4) Test tube
- Out of the following choose a brittle substance,
(1) Chalk (2) Copper (3) Clay (4) Iron
- What is the factor which is not used in photosynthesis ?
(1) Oxygen (2) Water (3) Chlorophyll (4) Sunlight
- In Sri Lanka, thermal power plant is located at,
(1) Kothmale (2) Norechchhole (3) Kelaniya (4) Hambanthota
- In which response, liquid and gaseous matter is given respectively ?
(1) Water, Ice (2) Coconut Oil, Steam (3) Copper, Steam (4) Copper, Water
- What is the practice which is responsible in preventing water pollution?
(1) Release of agro-chemicals to river water.
(2) Disposal of polythene and plastic containers to aquatic environments.
(3) Not releasing urban pollutants to drainage systems
(4) Release of factory pollutants to canal systems.
- Out of the following which one is not considered as a fossil fuel,
(1) Diesel (2) Kerosine oil (3) Bice Hull (4) Coal
- Select the incorrect relationship,
(1) Cooking food - biomass (2) Ironing clothes - Fossil fuel
(3) Drying cereals - Solar energy (4) Heating water - Electricity

- (11) Select the answer in which water samples are arranged in an ascending order of their salinity,
 (1) River water, Well water, brackish water, Sea water
 (2) Tap water, rain water, sea water, brackish water
 (3) Sea water, brackish water, well water, rain water
 (4) Rain water, Brackish water, Tap water, Sea water.
- (12) Given below are few statements about producing electricity from water
 A - Energy flowing in water is used.
 B - Power plant is located at very high position
 C - Generator is activated by making a turbine to rotate due to flowing water.
 (i) A and B are correct (2) A and C are correct
 (3) B and C are correct (4) A, B and C all correct.
- (13) Select the correct statement
 (1) Only plants belong to biomass fuel
 (2) Electricity for satellites is obtained from solar panels
 (3) Use of excessive fossil fuel can be harmful to the environment
 (4) Nuclear energy is mostly used in factories in Sri Lanka.
- (14) An instrument that produces sound by vibrating membrane is,
 (1) Violin (2) Rabana (3) Flute (4) A chain of bells (gedggi)
- (15) Out of the following which one gives rhythmic sound ?
 (1) Thundering (2) Sea waves
 (3) Singing of a cuckoo bird (4) Wind
- (16) A special physical property of Aluminium is,
 (1) Hardness (2) Malleability
 (3) Ductility (4) Elasticity
- (17) Of the following which produces an artificial sound ?
 (1) Flowing of water in a water fall (2) Playing a violin
 (3) Howling of a fox (4) Thundering
- (18) Select the group having only transparent materials
 (1) Glass sheet, Wooden plank (2) Air, Tissue paper
 (3) Clean water, air (4) Tissue paper, Clean water
- (19) Select the pair of characteristics that can be used in classifying cockroach and spider using a dichotomous key.
 (i) Can weave a cob web / can not weave a cob web
 (2) Can fly / Cannot fly
 (3) Brown colour / Grey colour
 (4) Wings are present / Wings are absent
- (20) Which of the following attract towards a magnet ?
 (1) Brass key (2) Aluminium wire (3) Copper wire (4) Iron nail

Science Part II

Answer the first question and four other questions

- (1) "Energy is needed to do work" Given below are two set ups designed by Grade 6 students to show that energy is needed to do work.



- (i) Name 1, 2, 3 and 4 parts in A and B set ups (4 Marks)
- (ii) Copy and complete the below given table

	Set up (A)	Set up (B)
Name the set up		
Source of energy Used		
Uses		

(5 Marks)

- (iii) Of the set up A mention 2 measures to obtain maximum amount of energy (2 Marks)
- (iv) Suggest a measure to increase the brightness of the bulb in set up B (1 Mark)
- (v) Write 2 things you used to prepare 3 in set up B (2 Marks)
- (vi) Name 2 other sources used by man to obtain energy. (2 Marks)

(2) The things around us can be categorised as matter and energy. Matter can be categorised as solid, liquid and gas.

(i) Write two characteristics that differentiate matter from energy. (2 Marks)

(ii) Answer the questions given below using that given list of items.



glass



knife



gold
chain



gloves

Write a specific characteristics of material used to make

a) knife

b) gloves

(2 Marks)

iii) a) Write an advantageous property of the material used to make glass.

b) Write a disadvantageous property of the material used to make glass. (2 Marks)

(iv) Write another material which is similar to gold in physical properties. (1 Mark)

(v) Write 2 examples for matter in liquid state used in day to day activities. (2 Marks)

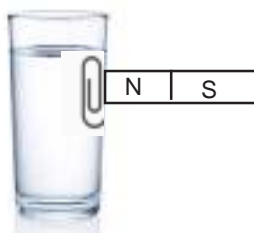
(vi)



Mention a property of liquid state that can be described according to the pictures given above. (1 Mark)

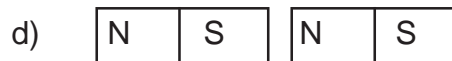
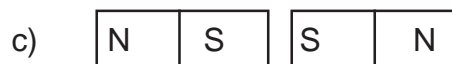
(vii) Write a characteristic of gas when compared it with solid and liquid; matter (1m) (1 Mark)

(3) A file clip which has fallen into a glass of water can get with the use of magnet.



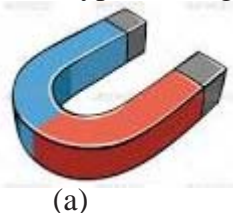
(1) What is the special property of the magnet which is possible to do so? (1 Mark)

(ii) Mention whether below given magnets are attracted or repelled.



(4 marks)

(iii) Name the types of magnets given below.

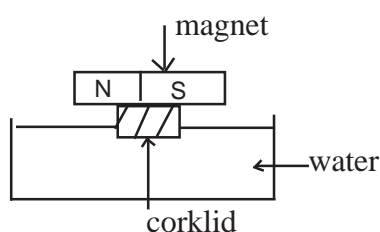


(2 marks)

(iv) Write a way to keep the magnetic property of a magnet for a long time when using it.

(1 mark)

(v) A magnet is kept on a cork lid and get it float.



a) It is observed that the magnet is directed towards the same, direction always. What is the reason of it ?

(1 mark)

b) Name an equipment made by man using the above principle.

(1 mark)

(vi) Name on equipment with magnet used in generating electricity.

(1 mark)

(4) Light is needed for all organisms as an essential source of energy.

(i) What is meant by source of light ?

(1 mark)

(ii) Write an example for it.

(1 mark)

(iii) Write other needs to see an object clearly other than the light.

(1 mark)

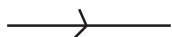
(iv) Objects can be categorized according to the amount of light transmission through objects.

Complete the table given below according to the type of ight transmission.

The method of light Transmission	Example
Transparent	a).....
b)	Vesak lantern
c)	d)

(4 marks)

(v) Name the light ray diagrams given below



(a)



(b)

(2 marks)

(vi) Give examples for some light applications given below.

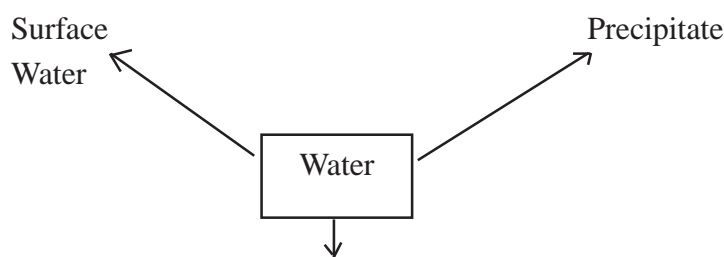
a) In the medical field

b) For communication

(2 marks)

(5) Water is essential for all organisms.

In nature water can be seen in solid liquid and gaseous states. The following diagram shows how water is in liquid state.



a)

(i) Name 'a' (1 mark)

(ii) Write 2 types of precipitation. (2 marks)

(iii) Write 2 places where you can get surface water. (2 marks)

(iv) Name the physical state of water of

a) snow

b) mist

(2 marks)

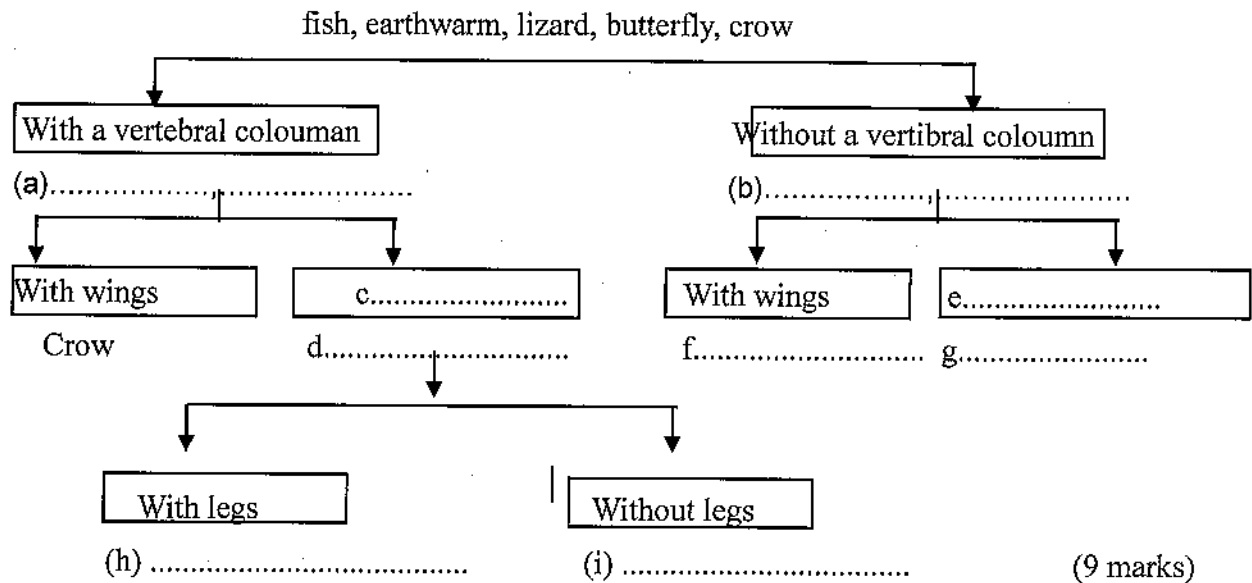
(v) Write 2 factors which are helpful in identifying polluted water. (2 marks)

(vi) Mention a human activity in your area that cause water pollution. (1 mark)

(vii) Write a method that you can practise to use water efficiently in your school.(1 mark)

(6)

(A) Complete the following dichotomous key.

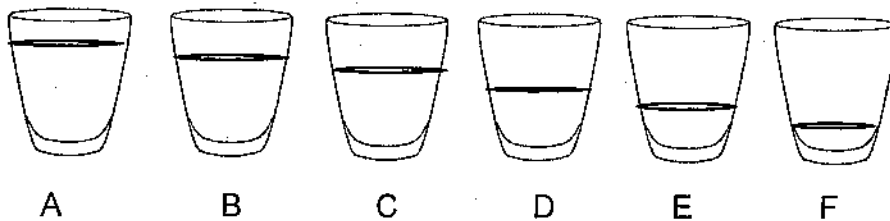


(B) (1) Mention one factor you should consider when preparing a dichotomous key. (1 mark)

(ii) Write one advantage of grouping living organisms. (1 mark)

(7) Following diagram illustrates an apparatus arranged by grade 6 students for a group activity on the topic of "Sound and hearing"

Water is filled at different levels in equal glasses. Write down the answers for the following questions.



- (i) Mention another instrument you need to produce sound in addition to the above instruments. (1 mark)
- (ii) How do you produce sound in this activity? (1 mark)
- (iii) What is the reason for filling water at different levels by the students? (1 mark)
- (iv) Which glass, out of the above, produces a sharp, clear sound to hear? (1 mark)
- (v) Name the sensory organ in the body sensitive for sound (1 mark)
- (vi) Name the medium that passes sound from these glass to us. (1 mark)
- (vii) Write the name of one musical instrument that produces sound as the above glasses. (1 mark)
- (viii) Write two factors you should consider when arranging the above apparatus for a group work. (2 marks)
- (ix) Mention to factors you should consider when using the sound. (2 marks)