

Year End Examination - 2015

SCIENCE

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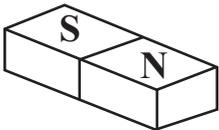
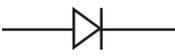
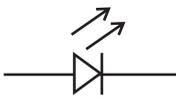
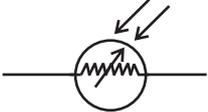
Grade 6

Two Hours

Name / Index No. :

Part I

● Answer all questions.

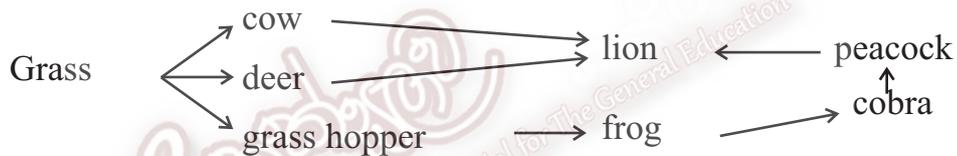
- 01 What is the factor which is not common to all living beings?
(1) Photosynthesis (2) Reproduction (3) Respiration (4) Growth
- 02 A student collected a sample of pond water and he wanted to observe the micro organisms in that water sample. What is the equipment he should use ?
(1) Binocular (2) Microscope (3) Hand lens (4) Telescope
- 03 Select the answer which is not having a mass and do not occupy space.
(1) Water (2) Air (3) Book (4) Light
- 04 Select the substance which has the property of "Brittleness".
(1) Glass (2) Paper (3) Iron (4) Rubber
- 05 Is not an example for solid state of water.
(1) Snow (2) Ice (3) Glacier (4) Steam
- 06 Which substance change into milky colour in the presence of carbon dioxide,
(1) Water (2) Copper sulphate (3) Limewater (4) Vinegar
- 07 What is not using as a fuel to generate energy?
(1) Bio mass (2) Ethanol
(3) Carbondioxide (4) Fossil fuel
- 08 Is not an example for luminous object,
(1) firefly (2) moon (3) sun (4) lighting candle
- 09 Select the translucent substance from the following.
(1) tinted glass (2) cardboard (3) black paper (4) clean water
- 10  What is the magnet type is this given figure ?
(1) Rod magnet (2) Horse shoe magnet
(3) Ring magnet (4) U shaped magnet
- 11 The standard symbol of diode is,
(1)  (2)  (3)  (4) 
- 12 Normal temperature of the human body is,
(1) 38 °C (2) 34 °C (3) 37 °C (4) 35 °C
- 13  To which group this animal belong according to the food type it takes?
(1) herbivore (2) carnivore
(3) Omnivore (4) non of the above
- 14 What is the thing that you cannot observe in the environment during a drought season.
(1) catching of forest fires (2) cracks on the earth
(3) a cloudy sky (4) shedding of leaves on trees

- 15 Given below is a food Chain,
 A → deer → Lion select the incorrect statement about A.
- (1) "A" is called as the producer
 - (2) Produce food with the help of sunlight
 - (3) All the other living beings depend on them
 - (4) Non of them are correct.
- 16 Select the area which does not belong to wet zone.
- (1) Rathnapura (2) Gampaha (3) Hatton (4) Ampara
- 17 The equipment use to measure the speed of the wind is,
- (1) Wind Wave (2) Rain Gauge (3) Hygrometer (4) Anemometer
- 18 The water percentage present in the earth surface is
- (1) 60% (2) 70% (3) 1% (4) 10%
- 19 Out of these plant leaves, which is the leaf with leaflets?
- (1) Jak (2) Curry leaves (3) Mango (4) Bo
- 20 Select the substance which is not used by plants in food production process.
- (1) Oxygen (2) Carbondioxide
 - (3) Water (4) Solar energy
- (2 x 20 = 40)

Part II

- Answer 05 questions only. First question is compulsory.

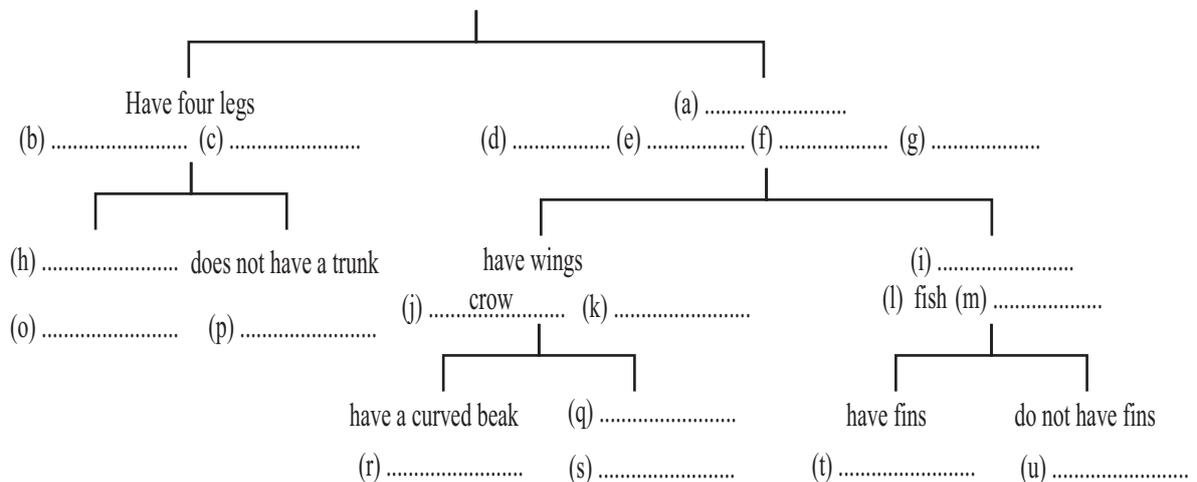
01 A Study the chart given below.



- (i) What is the name given to above chart?
- (ii) Based on the chart write down 03 food chains.
- (iii) Who is the producer of this chart ?
- (iv) Name two carnivorous animals from this chart.

B Complete the dichotomous key.

Crow, Elephant, Fish, Dog, Parrot, leech



02 A Match the substance with it's property

- | A | B |
|-----------------------------|-----------------|
| (i) Shows Elastic nature | (a) Cardboard |
| (ii) Shows ductility | (b) Clean water |
| (iii) Transparent substance | (c) Charcoal |
| (iv) Shows brittleness | (d) Rubber |
| (v) on opaque substance | (e) Gold |
| (vi) have a smooth texture | (f) powder |

B Fill in the blanks using correct words given below.

(Mass, Energy, gases, space, shape)

- (i) Having a and occupying a are characteristic features of matter.
- (ii) Solid matter have a definite and a definite Volume
- (iii) do not have a definite shape or a definite volume.
- (iv) Light is a type of

03 A We use different types of energies to do our day to day work and the energy giving substances are called as energy sources.

- (i) What are fossil fuels ?
- (ii) Name two such fossil fuels.
- (iii) Name two countries where fossil fuels are abundant.
- (iv) Name two instances where you waste energy at home.
- (v) Give two things that you can do to minimize the energy consumption at your home.

B Fill the table giving the energy source in each instance.

Instance using energy	Energy source
1. To dry grains	(a)
2. cook food	(b)
3. To run a vehicle	(c)

04 A Objects which produce sound are called as sources of sound.

- (i) Name two natural sound source.
- (ii) Name two artificial sound source.
- (iii) What is the organ use to sense the sound ?
- (iv) How can you protect that organ from high frequency sounds ?

B Magnets can be used in different Instances in our day to day life. Mention the observations in the following situations as an attraction or repel.

- (i)

S	N
---	---

N	S
---	---

 (ii)

N	S
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N	S
---	---
-
- (iii)

N	S
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S	N
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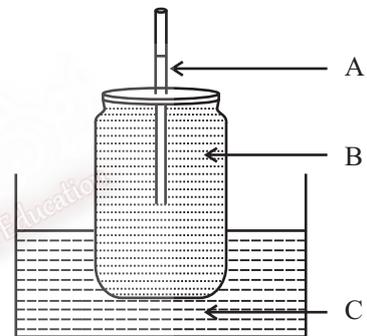
- (iv) Give two instances where we use magnets in day to day life.
- (v) Separate the substances as substances attracting to magnets and do not attracting to magnets. (glass rod, iron nail, file clips, pen)

Substances attract to magnets.

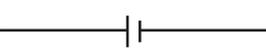
Substances do not attract to magnets.

- 05 A It is important to know about facts of weather and climate of a country.
- (i) What is the government institute keeps and collects records about weather.
 - (ii) Factors needed to determine the weather.
 - (iii) Name two apparatus that designed to measure weather.
- B
- (i) Considering the annual rainfall, Sri Lanka has been divided into four zones. What are they?
 - (ii) Give two natural disasters which occurring in Sri Lanka regularly.
 - (iii) Give two things which you can do to minimize the harmful effects from one natural disaster you mentioned above.

- 06 A
- (i) What is expansion ?
 - (ii) Name the A, B and C parts of the above diagram.
 - (iii) To study what this experiment has been designed?
 - (iv) Give an observation that you may get by this experiment.



- B Put (✓) mark to correct statements and (✗) mark to wrong statements.
- (i) Laser rays can be used to do some operations. ()
 - (ii) Light do not travel in a straight. ()
 - (iii) Red colour light shows a danger. ()
 - (iv) Luminous objects do not produce light by their own. ()
 - (v) A light beam is made up of a collection of light rays. ()

- 07 A Water is essential for the existence of life on earth.
- (i) Name the three physical states of water and give example for each.
 - (ii) Give four uses of water.
 - (iii) Name two human activities which do water pollution.
- B
- (i) What are the two main types of chemical cells? Give one example for each type.
 - (ii) Write the appliceance which denote by the following symbols.
 - (a)  _____
 - (b)  _____
 - (c)  _____
 - (d)  _____
 - (iii) Diode is a simple electronic appliance. What is the main function of it ?