

Mid Year Examination - 2015

Science

Grade 06

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Time: 02 Hours

Name/ Index No.

Part - I

• Answer all the questions.

01. Read the following statement and put (✓) mark in the brackets if the statement is correct (✗) mark if it is wrong.

- (1) "Sea anemone" is an animal which cannot move. ()
- (2) Standard unit of mass is Kg. ()
- (3) A gas has a definite volume. ()
- (4) Percentage of water on the earth can be consumed is 0.1%. ()
- (5) Coal is a fossil fuel. ()
- (6) Substances that light travels through irregularly are known as transparent substances. ()
- (7) Copper metal attract towards magnets. ()
- (8) Voltage of a dry cell is 1.5 V. ()
- (9) Sound generates because of vibration of substances. ()
- (10) Energy needs for the process of producing food in plants is obtained from sub light. ()

(1 x 10 = 10)

02. Fill in the blanks using suitable words from the words given below.

- (1) is a substance taken from ground for the Photosynthesis of plants. (Carbon dioxide / Water)
- (2) is a substance with high rigidity. (Soap / glass)
- (3) are dissolved in brackish water. (Salts / Acids)
- (4) Charcoal is a substance. (Malleable / brittle)
- (5) Ability to do work is known as (force / energy)
- (6) Moon is a object. (luminous / non luminous)
- (7) Bulbs can be received more light energy by spending less electric energy are (LED bulbs / Filament bulbs)
- (8) The people who work in factories which make huge sounds must wear (mouth guards / ear plugs)
- (9) Magnet suitable for making a compass is (bar magnet / disc magnet)
- (10) —⊗— This symbol represents (bulbs / diodes) (1 x 10 = 10)

03. Select the answer suitable for the questions given below and underline them.

- (1) The gas needed for respiration of organisms is,
1. Oxygen 2. Carbon dioxide 3. Nitrogen 4. Water vapour
- (2) Not a basic state of matter is,
1. Solid 2. Liquid 3. Gas 4. Smoke
- (3) Not a property of metal is,
1. malleability 2. flowing electric current
3. brittleness 4. ductility
- (4) Select the answer with a fossil fuel,
1. fire wood 2. Charcoal 3. bramble 4. bio gas
- (5) Select the incorrect statement from the following,
1. Light beams travel in linear path.
2. Light energy is necessary for producing food in plant leaves.
3. Light has only white colour.
4. Light does not travel through opaque objects.
- (6) Consider the following statements related to sound given below.
A Sound generates because of vibration of substances.
B Organ of human body which is sensitive for sound is ear.
C Sound which has no rhythmic sound is known as music.
What is / are the false statement/s from the above?
1. A 2. B 3. C 4. A, B, C
- (7) The instrument suitable for observing appendages of a mosquito is,
1. telescope 2. microscope 3. hand lens 4. binocular
- (8) The chemical substance used at laboratory to identify Carbon dioxide gas is,
1. Copper sulphate 2. Water 3. Sulphur 4. Lime water
- (9) Not a characteristic of a liquid is,
1. Flowing 2. having a definite volume.
3. ability to compress 4. not having a definite shape
- (10) An instrument which produces sound by vibrating wires is,
1. Violin 2. Flute
3. Sarpina 4. Beraya (Sri Lankan drum)

PART - II

● Answer 04 questions.

- 01 (1) What is energy? (02m.)
- (2) Things which produce energy are known as energy sources.
- (a) what is the natural energy source which gives the largest amount of energy to the earth? (01m.)
- (b) What are fossil fuels? (02m.)
- (c) Mention main 3 types of fossil fuels. (03m.)
- (3) Electricity can be generated by using wind power.
- (a) Name an area where a wind power plant is in Sri Lanka. (01m.)
- (b) Name a specific feature of that area you mentioned above to place a wind power station. (02m.)
- (4) Mention 02 natural energy sources can be used for generating electrical energy. (02m.)
- (5) Write two suitable power saving methods which can be applied to minimize consumption of energy at home. (02m.)
- 02 Man and all the living beings cannot live without water.
- (1) Write 03 main physical states of water. (03m.)
- (2) Water can be divided into 3 types according to the salinity of water. Write those types. (03m.)
- (3) Water turns to a state cannot be consumed because of pollution.
- (a) Write 02 factors affect for pollution of water. (02m.)
- (b) Write 02 diseases caused because of consuming polluted water. (02m.)
- (4) Write 02 instances that water is used except domestic activities. (02m.)
- (5) Mention 03 forms of water in liquid state on earth. (03m.)
- 03 Biosphere has been created by organisms and non living things. Organisms with various features are living in biosphere. Characteristics of organisms are used to separate organisms from non - living things. Two of those main characteristics are growth and reproduction.
- (1) Mention 03 other main characteristics of organisms except the above two characteristics. (03m.)
- (2) Organisms can be divided mainly into 03 types. Name those 03. (03m.)
- (3) Mention 02 differences between plants and animals. (02m.)
- (4) Classify following animals by using a dichotomous key.
(Mynah / Cat / Hawk / Spider / Earth worm / Cattle) (05m.)
- (5) Mention 02 raw materials used by green plants for photosynthesis. (02m.)

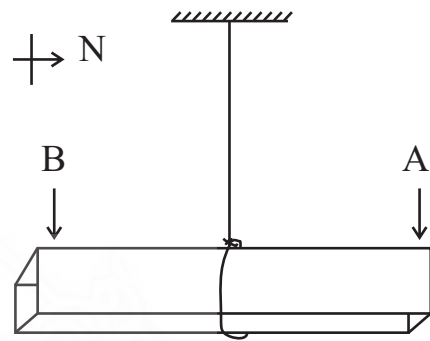
04 It is necessary to have a healthy eye and light as well to see the world.

- (1) What are sources of light? (02m.)
- (2) Name a natural source of light and an artificial of light. (02m.)
- (3) Name a creature that emits light. (01m.)
- (4) Draw a diagram to represent a light beam. (02m.)
- (5) Show a simple activity can be done to demonstrate that light rays travel in a linear path, by using a diagram. (03m.)
- (6) Write down 05 uses of light. (05m.)

05 (1) What is the metal used mostly to produce magnets? (01m.)

- (2) Magnets are in several types according to their shape. Name two types of magnets and draw them. (04m.)

- (3) How does name the regions of a magnet with high attractive forces? (01m.)



- (4) A bar magnet is hanged according to the figure given above. Magnet is always in stationary position through North - South directions of the earth.

- (a) Name two poles A and B of the magnet. (02m.)
 - (b) What is the instrument produced using this quality? (02m.)
 - (c) What is the use of that instrument? (01m.)
 - (d) Mention 02 instance where this instrument is used oftenly. (02m.)
- (5) What happen to two magnets when bring same poles closer to each other? (02m.)