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Devi Balika Vidyalaya - Colombo

පළමු වර්ෂ පරීක්ෂණය - 2012
First Term Test - 2012

Science

Grade 8

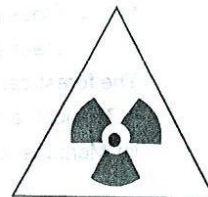
1 hour

* Answer all questions.

* Underline the most suitable answer.

- 01) A tropical rain forest is
i) Vilpattu ii) Sinharajaya iii) Hortan plains iv) Weeravila
- 02) 'Muthurajawela' belongs to
i) Wet lands ii) Villus iii) Damana iv) Dry patanas
- 03) Following observations were done by a group of students in a trip
* Trees are short * Tree tops form a flat canopy
* Trees are twisted * Leaves are small
The forest can be
i) Tropical rain forest ii) Dry mixed evergreen forest
iii) Montane forest iv) Thorny shrubs
- 04) Not an eco-system found in Sri Lanka is
i) wet lands ii) Gross - lands iii) Deserts iv) Mangrooves
- 05) Highest bio-diversity can be seen in
i) Yala national park ii) Sinharaja forest
iii) Peradeniya Botanical garden iv) Ritigala mountain
- 06) Sinharaja was named as world heritage on
i) 1989 ii) 1948 iii) 1972 iv) 2012
- 07) The importance of wet lands
A = Acts as a water sponge
B = Providing habitats for organisms
C = Removing poisonous pollution
i) Only A ii) Only A & B iii) Only B & C iv) All A, B, C

- 08) The statement which is not suitable for an agricultural environment.
 i) One or few selected crops are grown ii) Need to add fertilizers
 iii) Need to control pests iv) Complex food chains are present
- 09) The most suitable government institution to complaint about the harmful noise generated by an industry, Which is close to your house.
 i) Road development authority ii) Central environmental authority
 iii) Zonal education office iv) Post office
- 10) Not a midly poisonous snake is
 i) Green viper ii) Pollontelissa iii) Rat snake iv) Hump nosed wiper
- 11) Should not to be done in a snake bite is
 i) Making the victim Relax ii) Loosing the tight cloths
 iii) Washing the wound with soap iv) Giving king coconut to drink
- 12) A poisonus arthropode but not a carnivore.
 i) Bee ii) Trantulla iii) Centipede iv) Scorpion
- 13) Following is a symbol exhibited in a hospital. The message of it is
 i) Danger - Biological hazard ii) Danger - Laser hazard
 iii) Danger - Highly flammable iv) Danger - Radiation hazard
- 14) Atomic theory forwarded by
 i) Benjamin franklin ii) Isac newton
 iii) Charles Darwin iv) John Dalton
- 15) 'C' , & 'Cl' are two internation symbols for two elements. The two elements respectively are
 i. Carbo, calcium ii) Copper , carbon
 iii) Chlorine, calcium iv) Carbon , chlorine
- 16) The metal known as 'Aurum' in Latin is
 i) Mercury ii) Silver iii) Gold iv) Copper
- 17) Not a feature of 'Alumenium' is
 i) Good conductor ii) Light silvery metal
 iii) Used to make magnets iv) Used as a packing material
- 18) Used in 'Vulcunizing rubber' is
 i) Alumenium ii) Iron iii) Oxygen iv) sulphur



- 19) Followings are 3 statements about density
- If the density of an object is greater than a liquid the object will sink in that liquid.
 - If the density of an object is equal to the density of a liquid the object will sink and float.
 - When dissolving a substance in a liquid the density of the liquid gets increased.

The true statements,

- Only A
 - Only A & B
 - Only B & C
 - A, B, C
- 20) The instrument which is used to measure the density of a liquid is
- Hydrometer
 - Thermometer
 - Potometer
 - Barometer.

PART - II

* Answer all questions.

01) A) Fill in the gaps selecting the suitable answer.

Atoms, Pressure, Montane, Density, increases, Viper, cobra, Volume, Unit volume, Villu, Dry mixed evergreen

- A solid has a fixed shape, and fixed
- When the increases of a gas the volume decrease.
- are the building unit of matter
- The density of a substance is the mass of a
- forests are known as monsoon forests
- Hortan plains is forest.
- is the highly poisonous snake in Sri Lanka
- has a triangular shape head
- When dissolving substances the density of a liquid
- When heating a gas its decreases.

(10 marks)

- B) International standard symbols are used to express weather informations.
State the message given from each of the following symbols.


i) 

ii) 

iii) 

iv) 

v) 

vi)  (6 marks)

- C) i) Name 2 instances where international symbols are used.
ii) Name 2 factors that should be considered when using symbol. (4 marks)

02) The eco-systems are two types as land and aquatic eco-systems,

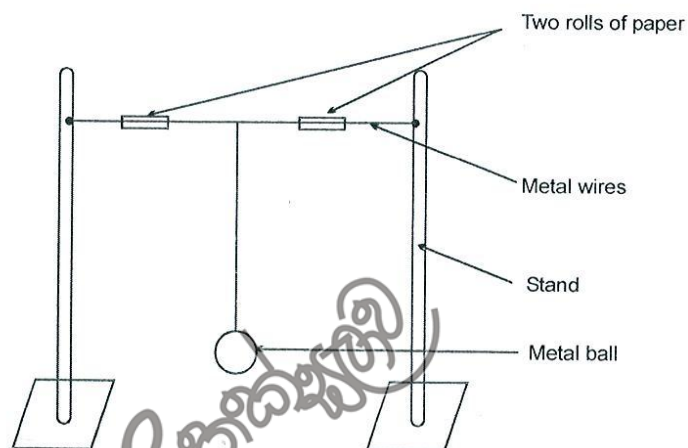
- i) Give 2 examples for natural fresh water environments in Sri Lanka.
- ii) State 2 brackish water bodies
- iii) State 2 uses of rivers
- iv) State 2 ways of polluting rivers
- v) What is an estuary ?
- vi) State 2 features of a wet evergreen forest
- vii) In which type of forest that 'Weera , Palu , Burutha' can be seen ?
- viii) State 2 importance of wetlands
- ix) State 2 features of an unorganized urban settlements.
- x) State 2 instances (e) of using the differences of in day to day activities.
- xi) The mass of 2m^3 volume of sea water is 2050 kg find the density of sea water.

(20 marks)

03) A) Write the symbols of the following elements and write one instance of using each element.

- i) Iron
- ii) Copper
- iii) Aluminium
- iv) Mercury
- v) Gold

B)



In the above set - up the two rolls of paper were burnt by students.

- i) What will be the observation when the rolls of papers were burnt.
- ii) What is the conclusion according to the observations
- iii) What will be the observation if a thread is used instead of two metal wires
- iv) Name 2 metals used to make a bimetallic - strip
- v) State 2 instances where the expansion of solids are used productively
- vi) State 2 feature, of solids, liquids and gases seperately.

(10 marks)