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Devi Balika Vidyalaya - Colombo

පළමු වාර පරීක්ෂණය - 2012
First Term Test - 2012
Science

Grade 7

Time 1 hour

Name :

Index No. :

PART (I)

* Underline the most suitable answer.

- 01) An example for a symbiosys relationship is
i) A squirrel eats a mango
ii) A leopard eatsup a deer
iii) A sundew plant catches insects and suck their juices
iv) Crows picking up the ticks that live on the skin of cattle
- 02) A total parasitic plant is
i) sundew ii) cuscuta iii) pitcher plant iv) Loranthus
- 03) Grass → Grass hoper → Lizard → rat snake
The 2nd cnsumer of this food chain is
i) rat snake ii) Lizard iii) Grass iv) Grass hoper
- 04) The animal that doesn't show the camouflaje is
i) leaf insect ii) Lizard iii) Pangolin iv) Frog
- 05) What is the special adaptation of Ipomea (Bimthamburu) - a sandy beach plant.
i) leaves are narrow and ribbon shaped
ii) leaves fold up like a cup
iii) leaves are reduced to thorns
iv) leaf surface is shiny
- 06) Which plant remains under the mud during the dry season and will sprout up again from the buds, when gets water ?
i) Lotus ii) Balsam iii) Sun flower iv) ginger
- 07) Non of an equipment which is used to measure the volume in laboratories.
i) measuring cylinder ii) hydrometer
iii) burette iv) pipette

- 08) The symbol of the SI unit of volume is
 i) cm^3 ii) ml iii) m^3 iv) l
- 09) What is the correct ascending order of these liquids considering about their densities ?
 i) kerosene oil , coconut oil , water , mercury
 ii) mercury, water , coconut oil , kerosene oil
 iii) kerosene oil, water , mercury , coconut oil
 iv) coconut oil, kerosene oil , water , mercury
- 10) What are the components that need to measure the speed of an object.
 i) distance , mass ii) distance , time
 iii) mass , time iv) mass , distance , time
- 11) A wheel of a bicycle rotates 18 rounds per 3 minutes. Find the rate of rotation of that wheel.
 i) 06 meters per second ii) 06 rounds per minute
 iii) 06 rounds iv) 06 metre per minute
- 12) The unit ms^{-1} is used to measure the
 i) volume ii) density iii) speed iv) oscillation rate
- 13) Non of an essential factor for microorganisms
 i) water ii) air iii) soil iv) optimum temperature
- 14) The 02 main factors related to soil erosion
 i) man , water ii) man , wind
 iii) water , wind iv) plants , wind
- 15) Which is happening due to the action of decomposers.
 i) Production of food in plants ii) Soil erosion
 iii) decaying of organic matter iv) coastal erosion
- 16) Acid rain is caused by this gas
 i) sulphur dioxide ii) Hydrogen
 iii) Nitrogen iv) Argon
- 17) What is the main function of the stomata ?
 i) Exchanging the gases ii) Exchanging the liquids
 iii) Water vapour is supplied to the plant iv) non of the above
- 18) What is the gas which is relevant to the respiration of plants.
 i) Carbondioxide ii) Oxygen
 iii) Nitrogen iv) Hydrogen

- 19) Transpiration is
- The loss of oxygen from the leaf surface
 - The loss of carbondioxide from the leaf surface
 - The loss of water vapour from the leaf surface
 - The loss of oxygen and carbondioxide from the leaf surface.
- 20) Non of a method of physical weathering
- acid ^{Yair} falls on the rock
 - water flows through the rock
 - Sudden expansions and contractions of the rock due to the temperature
 - Animals walking on the rock

PART - (II)

* Answer all the questions in the given spaces.

- 01) Read the follwing sentences. Say whether the sentences are true or false by putting a (✓) or a (X)
- Emitting an electric current by the electric eel is a protective behaviour and strategy. ()
 - When a leopard hunts a deer is a good example for interaction among animals and animals ()
 - Predators, soil , water and air are some components present in the abiotic environment. ()
 - Perennation is one of the adaptations shown by organisms to ensuer their survival during unfavourable environmental conditions. ()
 - Beaker is used for measure the volume of a regular object. ()
 - A hydrometer sinks more in water than the kerosin oil. ()
 - Cm^3 and Kgcm^{-3} are the SI units of volume and density respectively. ()
 - Water vapour is absorbed by the respiratory roots of sonneratia plant. ()
 - To minimize the transpiration, plants show some adaptations such as sunken stomata, shed of leaves, leaves turn into thorns, etc. ()
 - Destroyed environments get rehabilitated naturally by succession. ()