Mid Year Examination - 2015

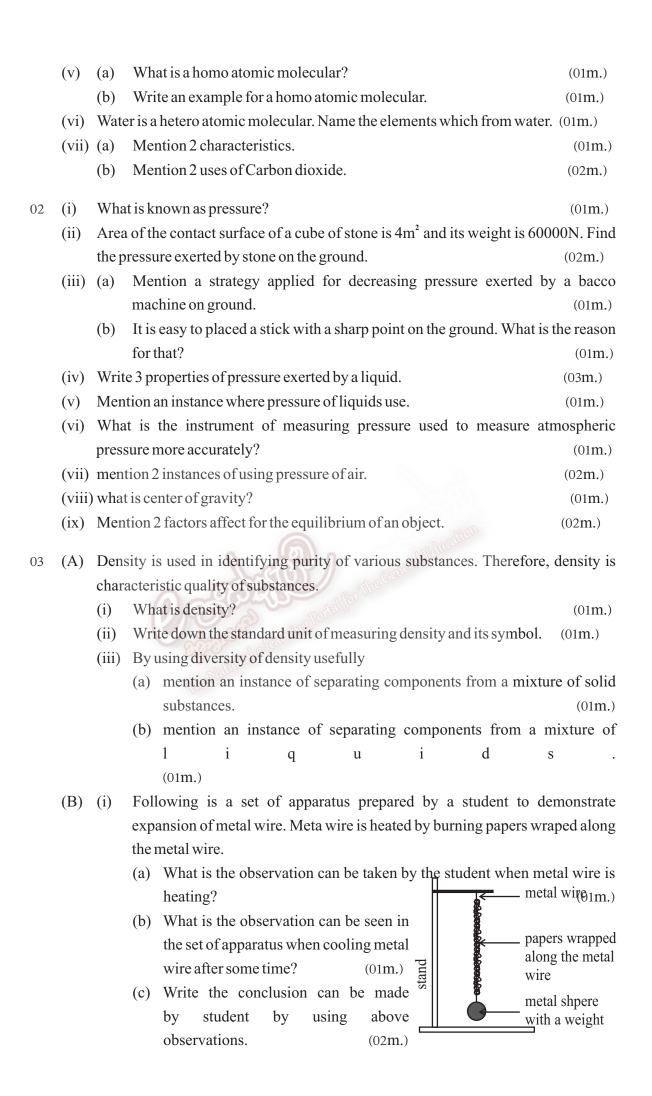
Science

Grade 08 විදහට Time: 02 Hours

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				PART	Γ - Ι	-			
•	Ansv	wer all the quest	ions.						
01	'Mo	'Mono Sodium glutamate' is used,							
	(1) For coagulating rubber latex.			(2)	for the conservation of food.				
	(3)	(3) as a agent of.			(4)	(4) for making food taster.			
02	An	n instrument made up by using expansion				of a substance is,			
	(1)	electric stove	(2)	hydrometer	(3)	thermometer	(4) barometer		
03	An	animal which she	ows l	nemimetabolism i	s,				
	(1)	mosquito	(2)	house - fly	(3)	cockroach	(4) coconut beetle		
04	The incorrect statement from the statemen given about an electric magnet is,								
	(1) Insulated conductive wires to be used for the coil of a electro - magnet.								
	(2) When increasing number of turns of the coil, magnetic effect is increased.								
	(3)	Magnetic effect	t deci	reases when increa	asing	electric current s	supplied for the coil.		
	(4)	Magnetic effect	t is or	nly limited to certa	in ar	ea around the coi	15.00		
05	An	animal does not s	show	predation is,					
	(1)	mosquito	(2)	python	(3)	tiger	(4) hawk		
06	Аp	lant which prefer	high	intensed light is,					
	(1)	Anthurium	(2)	Fern	(3)	Orchid	(4) Ixora		
07	Poi	son fangs of snak	es ar	e, male les					
	(1)	incissor teeth	(2)	canine teeth	(3)	molarteeth	(4) all type of teeth		
08	Not a property of albert solution used in hydroponics is,								
	(1)	 not included with all nutrients needed for the plant. dissolving in water well. 							
	(2)								
	(3) not poisonous for roots.								
	(4) does not react with vessels.								
09	Not a harmful effect can be resulted because of change of composition of air is,								
	(1)	Climatic chang	es on	earth.					
	(2) Changing temperature of environment.								
	(3)	(3) Occurring of acid rains.							
	(4) Decreasing transparency of air.								
10	A compound which does not contain in iron ore is,								
	(1)	hematite	(2)	magnetite	(3)	limonite	(4) cork		
11	Atr	mospheric pressu	re at	sea level is about,					
	(1)	76 Pa	(2)	100000 Pa	(3)	1000 Pa	(4) 760 Pa		

12	Not a highly Poisonous snake is,
	(1) Common Krait
	(2) Forsten's cat snake
	(3) Ornate Flying snake
	(4) Pipe snake
13	↑ This standard symbol represents that,
	(1) Danger - Laser hazard
	(2) Danger - Biological hazard
	(3) Danger -
	(4) Danger - Radiation
14	symbol of Sodium element is,
14	(1) S (2) So (3) Na (4) C
15	Circuit having two bulbs which connected to a dry cell parallaly is,
13	
16	Answer with a pair of non - metalic elements is,
	(1) Alluminium, Iron
	(2) Copper, Carbon
	(3) Sulphur, Magnesium
	(4) Carbon, Sulphur
17	The layer of gas with the highest percentage of gases in atmosphere is,
	(1) exosphere (2) troposphere (3) stratosphere (4) mesosphere
18	Grass lands can be seen in,
	(1) Thalawa (2) Damana (3) Wet patanas (4) Dry patanas
19	An antiseptic substance is,
	(1) Phenol (2) Boric acid (3) Milk of magnesia (4)Chlorine
20	Following diagrams show three vessels in equal size with 3 liquids named A, B, C and
	there are identical balls immersed in them. Density of liquids A, B, C in these vessels in
	ascending order is,
	(1) ABC
	(2) CBA
	(3) BCA
	(4) ACB A B C
	$(2 \times 20 = 40)$
	PART - II
	Answer 04 questions only.
01	Our surrounding is built up of matters and energy. matter is created by elements.
01	Elements are varied according to their characteristics.
	(i) What is an element? (02m.)
	(ii) Write down the standard symbols of elements given below. (02m.)
	(a) Copper (b) Carbon (c) Tungsten (d) Lead
	(iii) What is the element known as Aurum in Latin? (0) Lead (01m.)
	- · ·
	(a) Carbon (b) Sulphur (04m.)



- (ii) What is the element used in an electric iron to keep at a constant temperature? (02m.)(iii) Balloons filled with air hanged for decorations at the morning will explode at noon. Explain this scientifically. (02m.)(iv) Mention 3 instances where expansion of gas is used. (03m.)(A) Biotic factors as well as abiotic factors will affect for the survival of living beings. Temperature is one of them. Mention 3 other abiotic factors help for survival of organisms except temperature. (03m.)(ii) (a) Mention an instance of using optimal temperature for biological activities of plants. (01m.)(b) Mention an instance of using optimal temperature for biological activities of animals. (B) Crop cultivation gets main pace in producing food needed for population increasing in the word. Alternative methods are necessary instead of traditional methods. (i) Menton a method of traditional cultivation carried out in Sri Lanka. (01m.) (ii) Hydroponics gets prominent place among the advanced methods introduced recently. What is the name of solution of nutrients used in this method? (02m.) (iii) Write 2 properties to be in that nutritional media. (02m.)(iv) Explain the way of preparing a container for hydroponics at home using a plastic vessel. (03m.)(v) Mention two other special methods of cultivation except the above le gonal t h 0 (02m.)
- Sri Lanka has natural eco systems with vast bio diversity. 05
 - Natural terrestrial environment of Sri Lanka is mainly in two parts. One of them is (i) natural forests. What is the other one? (01m.)
 - (ii) Mention 3 main features can be seen in tropical rain forests. (03m.)
 - (iii) Mention 2 types of plants grow in these forests. (02m.)
 - (iv) Sinharaja forest is the best example for this kind of forests. Name 2 other tropical rain forests in Sri Lanka. (02m.)
 - (v) In which year Sinharaja forest was named as a world heritage? (01m.)
 - (vi) Mention 2 districts with dry mixed evergreen forests in Sri Lanka. (01m.)
 - (vii) Write 2 differences can be seen between a agricultural environment made by man and a natural forest. (02m.)
 - (viii) Menton 2 features of plants grow in a dry mixed evergreen forests. (02m.)