සියලූ හිමිකම් ඇවිරිණි/ மුඟුව මධාම රාූූත් අධාාපන දෙපාර්තමේ	ப் <i>பதிப்புரிமையுடையது / All Rights</i> න්තුව மத்திய மாகா ல் (.) 13(%)	reserved	nving මධාම පදාත් අධාාපන මෙ	දෙපාර්තමේන්තුබ ් වේ. පාදාග න ම					
මධාවේ අධාාපන දෙපාර්තමේන්තුව ගස්සුම් ගැස අධාාපන දෙපාර්තමේන්තුව ගස්සුම් හැකින් සහ අධාාපන දෙපාර්තමේන්තුව ගස්සුම් හැකින් සහ අධාාපන දෙපාර්තමේන්තුව ගස්සුම් සහ අධ්වාජන දෙපාර්තමේන්තුව ගස්සුම් සහ අධාාපන දෙපාර්තමේන්තුව ගස්සුම් සහ අධ්වාජන දෙපාර්තමේන්තුව ගස්සුම් සහ අධ්වාජන අධ්වාජන අධ්වාජන දෙපාර්තමේන්තුව ගස්සුම් සහ අධ්වාජන									
Grade: 08	YEA	AR END TEST - 20	19	34 E I					
	S	icence - I		Time: 2 Hours					
Name / Index N	Name / Index No:								
Part - I			• Ans	wer all the questions					
1) X → Grass Hop	pper → Chameleon								
	suitable organism that s 2. Aquatic plant	hould be at x 3. Marine plant	4. Grass						
2) Not an example f 1. Potato	or tuberous root 2. Carrot	3. Sweet potato	4. Radish						
2. Is made out of 13. Microorganism4. Microorganism4) What is the type1. Chemical energy	2. Kinetic e statement about pure r ne type of atom	enty cells together ries of some matter effects exts due to change in its nergy 3. Potential matter 2. Compose	•	i do					
6) A student who ob A. Even though the planet changes B. There is no any	serves the night sky red the position of a star relativith the time	corded the followings. S trive to its constellation is	elect the true state is not changing bu	ement/s at the position of a					
7) Which process is 1. Excess rain 3. Removal of for	•	th human in the occurrer 2. Irregular 4. Irregular	land fillings						
 Having particles Having a space a1. Discontinuous	nature of matter	om each other	ontinuous nature on sibility of a gas	of matter					
09) What is the unit 1. Ampere	used to measure electr 2. Volt	ical energy 3. Joules	4. Ohr	ms					

A. Prevention of foo B. Increasing the ta	1 0		statements are correct 4. A, B and	
 Occur only in green The main production Sunlight is an extension 	•	sential for photosynthe	sis	
12) Using what we ca 1. Fixed value resis 3. Diode	n control the current flo	ow according to the nee 2. Bulb 4. Light sensi		
 Blood flows into Located in the ab 	sitioned little higher tha	nl vein		
1. Bulb A and B sho 2. The brightness of 3. The brightness of	statement about the giv ow same brightness whi f all bulbs are same f all three bulbs are diffe ow same brightness and	le bulb C has less brigherent		⊗ ^C
15) Which animal pos 1. Leech	ssess radial symmetry? 2. Earthworm	3. Hydra	4. B	ivalve
	alein was added to a liq disappears and the solu 2. Base		. What can be X?	added to the same
17) Which zone conta 1. Zone A	uins unburnt wax vapour 2. Zone B	r? 3. Zone C	4. Zone D	A B
18) Which is used dur 1. Magnetic produc 3. Heat product of e	t of electricity	2. Chemical product4. Light product of el		CD
19) Magnetism is, A. A contact force 1. A	B. Remote for 2.B 3.C		eact or remote force tany of above	
20) Which cannot be 1. Change in state 3. Emission of gas t	observed during a chem	ical change? 2. Emission of heat 4. Change in colour	-	Thisel funnel
The liquid level i The liquid level t Water inside the i	serve after the given set nside the thistle funnel is he beaker and thistle fun thistle funnel turns purp nside thistle funnel decr	increases nnel will be equal le	utes? Wate	r — Salt with Condis Egg membrane
22) Not an excretory 1. Skin	organ 2. Anus	3. Lungs	4. Kidneys	
Science - Grade 08				Page 02

1.Mu 2. Th 3. Th	lect the correct statement usic is created through the regular frequency of a can be chang the frequency of the biggest wire tuman ear is audible to any frequency fre	ed by changing the length of it in the guitar is high	
A. L C. S1	nich processes are responsible ess consumption of water moking and taking liquor and B 2. A and C	B. Consumption of salty food D.Addition of heavy metals	ds frequently and toxic substances to the body and D
1. Th 2. An 3. Th 4. Do	hhydrous copper sulphate turns ne frequency of a copper wire i aring a chemical reaction the n	is 20 hertz nass stays as a constant Part - A	
01. A.	Given below are some Conste	ellations visible during night sky	
	$rac{R}{\sqrt{s}}$	U V W	
	i. Name S		(1 Marks)
	ii. What is the brightest star	in U?	(1 Marks)
	through a telescope? iv. The tilting is responsible v. Name a star pattern that i above vi. What is the name given t	for the occurrence of seasons on the course is used to identify the direction of the to the star patterns which is used to de	earth. Give another reason (1 Marks) Earth that is not mentioned (1 Marks) Earth that apperent
B. G	iven diagram shows a part of a i. Name a and b	(2 Marks)	10.39 (S. C.)
	ii. Give a function of skin	(1 Marks) b {	
02. A.	Adult Mosquito A		(2 Marks)
	ii. What is the name given t	to the life cycles having physiological	
	iii. Name an insect that can l	be seen in household who shows incom	mplete metamorphosis (1 Marks)
	iv. Name the sensitive stage	in the life cycle of turtles which are h	(1 M. 1 .)

В	. i.		Music can	be created u	sing the op	pening a	and closing of th	e holes in a	flute. Give	reasons for it
	ii							(1 Marks) (1 Marks)		
C		Given below is a part of a poster displayed in a classroom regarding composition of							`	
				A	F	В		<i>с</i>	, , , , , , , , , , , , , , , , , , , ,	
			8	0000	(9 0 0				
						9 9				
				e a mixture?		and D if	hoth of them or	ea having gan	na sizad na	(1 Marks)
							both of them ar	_	-	(1 Marks)
	.The			m are about	some livin	ig organ	isms found by a	group of stu	ident in an	oceanic
	·									
		1		\mathcal{N}	1111				a	
	Т	`ur1	tle	nerris	Jelly f	fish	sea anemani	vatakeya	Bivbalve	(Kirala) sonaratia
	i.		Name and	animal belor	·			Ĭ		(1 Marks)
						-			·····	()
	ii		Which anir	nal cannot d	lo locomoti	ion?				(1 Marks)
	ii	i.		nal bears a					••••	(1 Marks)
	iv						b. Name a plant			
			a				b			(2 Marks)
В	. (iv	en below is	about some	e readings of	obtained	l during and exp	eriment		
			No. Cells	Volt meter Reading	N	ature o	f Illumination	අඛ්ය	5152	
			1	Keauing	1.5	We		$\Diamond \Diamond$	3	
			2 3		3.0 4.5	Hig	w Brightness gh Brightness	4		
	i.		What is the	e relationshi	between	the num	ber of cells and	the voltmete	r reading	(1 Marks)
	ii		What is ex	pected by in	serting cell	ls to a c	ircuit?			(1 Marks)
	- 11	•	What is ex	pooted by in	serting con		iiouit.			(1 WILLIAS)
	ii						een the brightnes		and the co	urrenct (1 Marks)
			now unoug	gii tiic ciicui	t, what app	aratus s	should be connec	cicu:		(1 Widiks)
C			••••••		••••••	i Whi	ph factor is above	nt in the test	tube if the	a noile ora
<u> </u>		on	ut Oil Layer				ch factor is abserusted	iit iii tiie test	tube, ii tiid	t mans are
	Coc	<i>(</i> 011	ut On Layer		1	•••••				(1 Marks)
			Hot Wa	ter						
		Cle	eaned Iron N	1-5	1		e a strategy used	-		in engines (1 Marks)
				1 <i>7/</i> -		••••••		•••••••	••••••	(1 IviuiNo)
				V	/					

Part- **B** • Answer only three questions

01. A. The setup is used to observe the transpiration process in the laboratory

If

- What is meant by transpiration? (1 Marks)
- ii. Initially if the level in the X is 0ml and after 5min 10ml is shown, find the rate of transpiration

Volume of Transpirated water Rate of Transpiration= Time Taken

Calculate the rate of Transpiration (2 Marks)

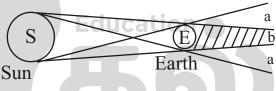
- iii. Give an adaptation shown by plants to reduce the transpiration(1 Marks)
- iv. Give one difference between guttation and transpiration (1 Marks)
- B. The give setup can be used to make an electromagnet
 - i. How the current should be send through the circuit? (1 Marks)
 - ii. Name the instrument that can be used to identify the magnetic field created around the iron nail (1 Marks)

iii. Draw a diagram to show the magnetic field lines that can be seen around

a bar magnet (2 Marks)

iv. Give two reasons for the loss of magnetic power in a magnet (1 Marks)





- i. Name the zones a and b
- ii. If the moon comes to the zone b,
 - a. In which colour the moon is visible?
 - b. What is the name given to that phenomena

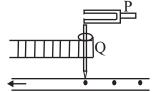
iii. A person on the earth will see only one side of the moon every time. Give the reasons

for that (1 Marks)

- 02. A. part of human nervous system is given below
 - i. Name A and C (2 Marks)
 - ii. Give a function performed by B (1 Marks)
 - iii. Name the protective layers that can be seen around, B and C

iv. Give a function performed by the

peripheral nervous system (1 Marks)



B.

When a vibrating object is kept by touching Q, dots are drawn accordingly in the given strip (1 Marks)

- i. What is named as P?
- ii. If 240 dots were recorded in 3 seconds, find the frequency of P

(1 Marks)

Paper strip at Constant speed

(2 Marks)

(2 Marks)

(1 Marks)

addicated (1 Marks)

Branch

Vasline

Oil laver

Calibrated tube

Iron Nail

iii. If a longer arm and shorter arm of device P is used to perform the experiment, which will show more dots on the paper? Give reasons for your answer (2 Marks)

C. Given table is about some properties in liquids

	A	В	С	D	Е
Boiling Point /C ⁰	882.9	2595	350	100	- 162
Melting point /C ⁰	97.8	1083	120	0	- 182.5
Ductility	\checkmark	✓	×	-	×
Malleability	\checkmark	✓	×	-	×
Density	971	8900	900	1000	475
Electric conductivity	✓	✓	×	×	×

i. Which liquid exist as a liquid in room temperature?

(1 Marks)

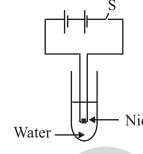
- ii. Which mater is not suitable to make wires even though it can conduct electricity?(1 Marks)
- iii. Name two matter which can float on D

(2 Marks)

iv. Which material can exist as a gaseous nonmetal?

(1 Marks)

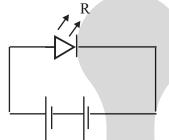
03. A.



When the switch is closed, it is observed that the water is heated.

- i. Which product of electricity is shown here?
- (1 Marks)
- ii. Give the energy conversion occur here
- (1 Marks) (1 Marks)
- iii. Name an appliance uses this principal to operate

Nichrome Coil



- iv. Given below is a circuit diagram used to demonstrate the light product of heat
- a. Name R

(1 Marks)

- b. How many dry cells are needed to operate R (minimum number)
- (1 Marks)
- c. Give two advantages of using R instead of a filament bub

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(2 Marks)

B. i. What is meant by a natural disaster?

(2 Marks)

- ii. Name a natural disaster that can occur in hill areas due to excess rain
- (1 Marks)

iii. Give two human activities which leads to drought conditions

- (1 Marks)
- iv. Give a precaution you can take to prevent lightening accidents
- (1 Marks)

C.



- i. Name the given microorganism (1 Marks)
- ii. Give a disease that can be caused by microorganisms belong to the group of the above said organism (1 Marks)
- iii. What is the mechanism used by this organism

to remove excretory products from the body

(1 Marks)

04. A. The table is about some observations gained by some students during an experiment Instance **Observation** P. Mixing Sodium Chloride and Led Nitrate Formation of White precipitate Q. Burning of the substance X Variation of Gas bubble, Formation of Water vapor R. Heating of Iodin Crystal Formation of Iodin vapor i. In which system there is a mass difference between the reactants and products, if done in an open system? (1 Marks) ii. What are the chemical reactions from given instance. (2 Marks) iii. If the gas produced in Q is bubbled through lime water, it turns milky white. What could be the gas? (1 Marks) iv. Name the instance where a sublimation has occurred (1 Marks) We use different methods to prevent the spoilage of food as it make the food unsuitable for consumption Name the two main microorganisms responsible for food spoilage (2 Marks) ii. Give a traditional method of preserving food (1 Marks) iii. Briefly explain how food is preserved through freezing (2 Marks) iv. Give an example for "p" instance (1 Marks) C. Many things can be observed in the night sky What is meant by a geo satellite (1 Marks)

* * * *

ii. Who is the person to say about communication satellite for the first time? (1 Marks)

(1 Marks)

(1 Marks)

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iii. Name a planet which has similar rotational time just like the Earth

iv. Name a planet with a gaseous surface

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