සියලු ම ඉහිමිකම ඇවිරිණි All Rights Reserved	copy (S)	C omo 1
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රකුණු පළාත් අධනපන දෙපාර්තමේන්තුව, දකුණු පළාත් අධනපත cකුණු පළාත් අධනපන Department of Ed. Department o	දෙපාර්තමේන්තුව, දකුණු පළාත් අධ්පාපන ද <b>දැපෑලඹදිදිපාර්තු ඉම්න කු</b> ළුදෙ, Dep	දෙපාර්තමේන්තුව, දකුණු artment of Education,
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	Term Test	
Grade 08	eience	Time : 2 hour
	Part I	
Answer all the questions.		
Underline the correct answer.		
1. Spoilage of protien food items is known as,		
(1) Fermentation	(3) Rancidification	
(2) Putrefaction	(4) Diffusion	
2. This is a plant with fleshy leaves.		
(1) Alloe (2) Papaw	(3) Cactus	(4) Pumpkin
생일 이 하는 사람은 사람들이 되었다.		
3. This is a non-metallic element present in the l	지하지, 사람들이 들었는 어떻게 나오다.	(A) D
(1) Mercury (2) Iodene	(3) Sulphur	(4) Bromine
4. This contains only pure substances.		
(1) Copper, Salt solution, Iron	(3) Drinking water, Salt, Copper	
(2) Iron, Copper, Salt	(4) Iron, Tea, Coppe	r i
The wair function of plant leaved is		
The main function of plant leaves is,	(3) perennation	
<ul><li>(1) photosynthesis</li><li>(2) vegetative propagation</li></ul>	(4) transporting water	r
[일하는데 다 보다는 그리고 생각하고 있는 다음이었다.		
6. Select the unsuitable answer for the adaptation	on shown by plants to reduc	e transpiration and it
example.		
(1) Leaves become thorns – Cactus	(3) fleshy leaves - Kaneru	
(2) reduced number of leaves - Navahandi	(4) thin leaves - Ka	sa
7. A tuning fork makes 500 vibrations in 2 secon	ds. Then the vibrating frequency	ency of this tuning for
is,		
(1) 250 Hz (2) 1000 Hz	(3) 500 Hz	(4) 100 Hz
8. A function of underground stems is,		
(1) storing food	(3) perennation	
(2) vegetative propagation	(4) all of the above	

09. How do you as I			
(1) elasticity (2) heirs	al to wear and tear and scratching?	, ,	
(2) brittleness	(3) hardness		
6. 내용을 되었는 중기의 중인을 살이 이어 > 스타트 로스스 다른 이번 이번 전에 살아보고 있습니다며를 제 이번	(4) ductility		
The particulate nature of matter in the interior	ysical states are shown below. Select the answer	tha	
shows matter relevant to the particulate nature (1) stones, oxygen, coconstant	ysical states are shown below. Select	7	
	re correctly.		
Mon, Water, nitrogen	88888 1010 0000		
(3) oxygen, coconut oil water	00000		
(4) water, iron, coconut oil	A B C		
그렇게 그렇게 하면 가장 살아가 가는 것이 그렇게 하면 살이 하는 사람들이 하는 사람들이 가는 그렇게 되어 되었다. 그리지 않아 나를 다 나를 다 먹었다.			
calcium carbonate are,	compounds. The elements present in the compo	Jun	
(1) carbon, oxygen, calcium			
(2) calcium, sulphur, carbon	(3) carbon, calcium, copper		
surphur, carbon	(4) copper, calcium, oxygen	7-1	
12. The answer which shows musical instrume	nts that produce sound by vibrating membranes	an	
strings respectively are,			
(1) guitar, tabla	(3) "dayula", tabla		
(2) "davula", violene	(4) violene, flûte		
13. The incorrect statement out of the following	아이지 한 경험을 보다 되면 하셨다. 그런데 이번 그는 사이를 모르게 하는데		
(1) The vibrating frequency of a tabla can be	[통일 : 구기 : 10 ] 이 전 [경기 : 14 ] [경기 : 15 ]		
이 그릇을 보지 않는 이가면 하다. 그렇게 되는 것도 생각하실하고 되었다. 그렇게 살아 되었다. 그리는 없었다.	s increased, the vibrating frequency is decreased		
그리고 살게 그렇게 하시네요 그 건 집에 가는 이 사람들이 되는 것이 없어요. 그 그는 여행 목표점에 하시는데이었다.	s increased, the vibrating frequency gets increase		
(4) When the tension of the vibrated strings	is increased, the vibrating frequency get increase	d,	
- Lish contains only magnetic su	hatanaaa ir		
14. The answer which contains only magnetic su	그리다 하이 그림, 동일, 나는 사이를 살았는데, 그런 하나가 이렇게 그렇게 보면 보고 있다. 작가 있었어요. 그		
(1) Iron, Cromium, Copper	(3) Iron, Ferrite, Nikel		
(2) Nikel, Cromium, Aluminium	(4) Ferrite, Copper, Iron		
5. A main reason for fading the magenetism of	저 그렇게 그렇게 되고 그가 되었다. 이를 가게 하다 이 걸까지 말하지 않아 모든 얼마를 하나서 그렇지 않아 없다.		
(1) Subjecting to high temperature	(3) ageing		
(2) Subjecting to vibrations	(4) all of the above		
6. The standard units of measuring electric curr	ent and resistance respectively are,		
(1) Ampere, volt	(3) Ampere, Ohm		
(2) Volt, Ampere	(4) Ohm, Ampere		
(2) (0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,			

- 17. This is not a physical change
  - (1) Solid wax turns into liquid wax
  - (2) burning of camphor

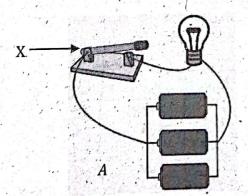
- (3) liquidizing ice
- (4) making granite into small pieces.
- 18. The scientist who prove the law of conservation of mass for the first time is,
  - (1) Benjamin franklin
  - (2) Sir Issac Newton

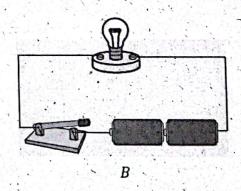
- (3) Antonie Lavorsier
- (4) J.J. Thompson
- 19. This is not an organ that does excretion,
  - (1) lungs
  - (2) mouth

- (3) skin
- (4) kidney
- 20. What is the instrument used to identify the microorganisms and the group of microorganism which was responsible for spreading the "Covid 19" which was subjected to a big outburst in the world in last few years?
  - (1) Virus light microscope
  - (2) Virus simple microscope
  - (3) Bacteria electron microscope
  - (4) Virus electron microscope

## Part - II

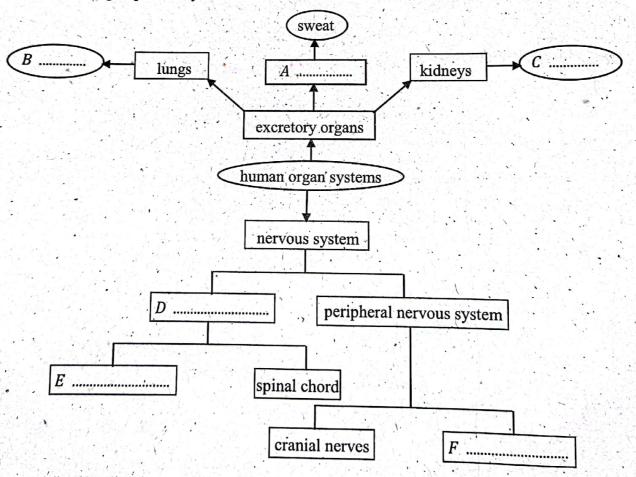
- Answer question no. 1 and four more questions.
- 01. (A) Several activities were assigned to four groups of children in Grade 8. Two circuits A and B prepared by two groups of them are shown below.





- What circuit will light the bulb with the highest brightness? (i)
- Mention the ways that cells are connected in the two circuits A and B. (ii)
- (a) What is the accessory named as X? (iii)
  - (b) What is the function done by this accessory?
- Draw the circuit A by symbols. (iv)

- (B) The third group of this class was assigned to measure the current flowing through the circuit B and to connect the instruments needed to measure the potential difference at the two ends of bulb of it.
  - (i) Write the instruments used to measure the current and potential difference respectively.
  - (ii) (a) Write the two ways that these two instruments are connected to the circuit respectively.
    - (b) Draw the circuit diagram using symbols after connecting these two instruments.
- (C) The teacher assigned the fourth group of this class to connect another accessory to the circuit to decrease the current flowing through it.
  - (i) What is the accessory connected to the circuit to decrease the current?
  - (ii) Draw the symbol of this accessory.
  - (iii) What is the physical property used in this accessory?
- 02. (A) After teaching the human organs and systems the chart below was exhibited in the classroom which prepared as a group activity. Ink of some words of this chart was erased.

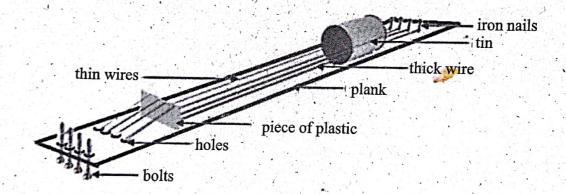


- (i) Write the suitable words from A to F that ink was erased in this chart.
- (ii) (a) Write two diseases affected to the kidneys.
  - (b) Write two points that should be careful to decrease these diseases.

1 18 STERIOR

- (B) The human skin also acts as an excretory organ.
  - (i) Name the two parts that the skin divides.
  - (ii) Write two other functions done by the skin other than excretion.
  - (iii) Write two steps that should be taken to have a healthy skin.
- 03. (A) A bee produces murmur sound when it flutters speedily either sides.
  - (i) What should happen to an object to produce sound?
  - (ii) Name the parts vibrated when the following instruments produce their sound.
    - (a) guitar
- (b) tabla
- (c) flute
- (d) udakki

- (iii) (a) What is frequency of sound?
  - (b) Write the standard unit that measure the frequency.
  - (c) What is the audible range of man?
- (B) A model musical instrument for sources of sound was prepared and the diagram of it is shown below.



- (i) · A pleasant sound can be obtained when the frequency of sound is increased
  - (a) Write two strategies used in this musical instrument to increase the frequency.
  - (b) Name two musical instruments that produce sound in this way.
- (ii) Music can be used to heal the mental stress.
  - (a) What is musical therapy?
  - (b) Name two diseases that can be cured by musical therapy.

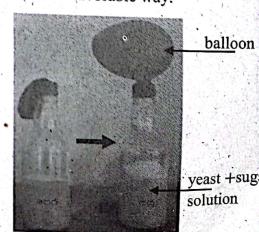
- 04. (A) Shown below is a set up prepared to study a certain law.
  - Taking the mass of this set-up first.
  - Heating the tube until the matches light up
  - Taking the mass again after cooling the set-up.
  - (i) (a) Write the observations related to this activity:
    - (b) What can you say about the reading before the reaction and the reading after the reaction.

balloon

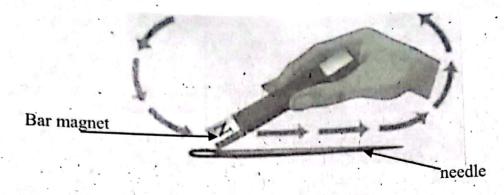
ignition tube.

match sticks

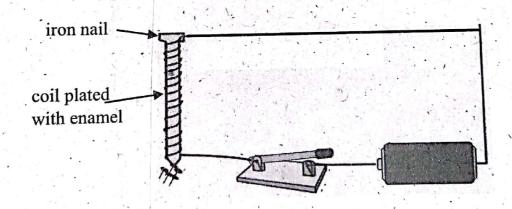
- (ii) (a) What is the conclusion arrived using these two readings?
  - (b) What is the law that can be proved by this conclusion?
- (iii) Why this set up is known as a closed system.
- (B) The chemical change taken place by emitting heat energy and light energy is known as combustion.
  - (i) Name the three main factors needed to take place combustion.
  - (ii) (a) What are the two main products produced by combustion?
    - (b) Write respectively the chemicals used to identify these products.
- 05. (A) It was observed some colourful kind of mildew on remaining rice on the plank used to give food for animals which is made by sumedha in his home garden.
  - (i) To what group of microorganisms does mildew belong?
  - (ii) What is meant by "microorganisms"?
  - (iii) Name the two main factors needed for the growth of microorganisms.
  - (B) The action of microorganisms act on food in a favorable way as well as unfavorable way.
    - (i) Write a favorable effect and unfavorable effect each due to the action of microorganisms on food.
    - (ii) The diagram below shows an activity done to demonstrate an effect on food due to microorganisms.
      - (a) Write two observations obtained in this activity.
      - (b) Name the two products produced here.
    - (iii) How is it important the action of yeast in making bakery products?



- 06. (A) Magnets used in various instances are classified as permanent magnats and temporary magnets.
  - (i) Name the two methods used to make permanent magnets.
  - (ii) One of the above methods is shown below.



- (a) What is this method?
- (b) Write a step that can be taken to succeed this method.
- (iii) Write two instances that permanent magnet are used.
- (B) A circuit diagram of a set-up used to demonstrate the magnetic effect of electricity is shown below.



- (i) A student says that when the switch of this circuit is closed the nail becomes a magnet.

  How do you prove it?
- (ii) Write two steps that can be taken to increase the strength of electro magnets.
- (iii) Mention two instances that electro magnets are used.



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