



Chumey Higher Secondary School
Bumthang Dzongkhag
Annual Examination 2022



SUBJECT: SCIENCE
CLASS -V

Writing Time: 1 Hour
Total Marks: 50

Index Code

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READ THE FOLLOWING DIRECTIONS CAREFULLY:

1. In this booklet you will find **NINE** questions. You must answer **ALL** the questions.
2. Answers to all the questions must be written neatly in the spaces provided.
3. Do not write during the first fifteen minutes. This time is to be spent on reading the questions.
4. You will have **ONE** hour to answer all the questions.
5. You will **NOT** be allowed to leave the examination room until the completion of the stipulated time.

(First **FIFTEEN** minutes could be used by the teachers on duty to explain the instructions)

Questions	1	2	3	4	5(6)					6(6)			7(6)			8(6)					9(6)			
					a				b	a	b	c	a	b	c	a	b	c	d	e	a	b	c	
Marks	5	5	5	5	i	ii	iiia	iiib		b	4		i	ii		2	2		2		1	1		2
					1	1	1	1	2		1	1												
Marks Scored																								
Total Score																								
Final Score															50									
	<i>Signature of the Marker</i>																							

Section-A (20 Marks)

Question 1

[5]

Direction: For each question, there are four alternatives: A, B, C and D. Choose the correct alternative and circle it. Do not circle more than ONE alternative. If there are more than one choice circled, NO score will be awarded.

- i. Growth of a child is an example of
 - A. irreversible change and natural change.
 - B. reversible change and human-made change.
 - C. human-made change and natural change.
 - D. natural change and physical change.

- ii. Static electricity is also known as
 - A. frictional electricity.
 - B. hydro electricity.
 - C. wind electricity
 - D. solar electricity.

- iii. Which of the following is not a human-made change?
 - A. Changing weather.
 - B. Cooking food.
 - C. Construction of roads
 - D. Building houses

- iv. The sunlight composes of seven colours and they are
 - A. violet, indigo, blue, green, yellow, pink and red.
 - B. violet, indigo, black, green, yellow, orange and red.
 - C. violet, indigo, blue, green, yellow, orange and red.
 - D. violet, indigo, brown, green, yellow, orange and red.

- v. The circulatory system works with the _____ system to provide our body with oxygen.
 - A. respiratory.
 - B. digestive.
 - C. muscular.
 - D. skeletal.

Question 2**[5]****Direction: Fill in the blanks with appropriate words.**

- a. Lightning is caused by _____ electricity.
- b. A pattern of sounds intended to give pleasure to people listening to it is called _____.
- c. In a hydropower station electricity is generated using _____.
- d. Changing shapes of the Moon are called _____ of the Moon.
- e. A matter which is made of only one kind of particle is called _____.

Question 3**[5]****Direction: Write TRUE or FALSE against each statement in the space provided.**

- a. It is important to protect habitat to maintain balance in nature. (.....)
- b. The energy stored in food and fuel is called kinetic energy. (.....)
- c. We slip on a wet floor because there is more friction. (.....)
- d. The materials that allow the current to flow are called conductors. (.....)
- e. Energy giving food contains carbohydrates. (.....)

Question 4**[5]****Direction: Match items of Column A with correct answers of column B. Write only the number against the alphabet in the box.**

Column A	Column B	Answer
a. Winnowing	1. Iron from sand	a. _____→
b. Magnetic separation	2. Stone from rice	b. _____→
c. Hand picking	3. Flour from husks	c. _____→
d. Sieving	4. Mud from water	d. _____→
e. Filtration	5. Grain from husk	e. _____→
	f. Kerosene from water	

Section B (30 Marks)

Direction: Answer the following questions in the spaces provided. The marks for each question are given in the brackets []

Question 5 [6]

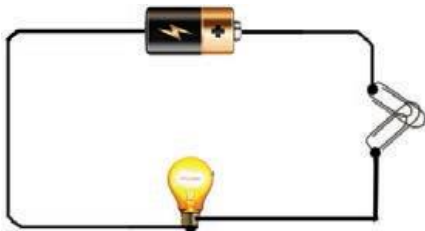
i. A pin falls into a heap of straw. Suggest an easy way of finding the pin. [1]

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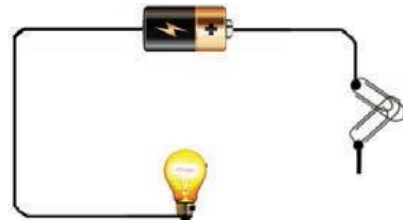
ii. What gives shape to our body? [1]

.....
.....

iii. Dawa and Yeshi made circuits as shown in figure below [2]



Dawa



Yeshi

a. Whose bulb will glow?

b. What is wrong with the circuit in which the bulbs do not glow?

.....
.....

b. Using the clues given in the box, find any FOUR forms of energy hidden in the word puzzle and write down in the space provided. [2]

computer, moving car, kerosene, bhukhari, girl singing, sun, stone on hillock

L	S	N	Q	W	E	R	T	T	Y	H	J	P	J
I	W	E	R	K	I	N	E	T	I	C	P	O	Z
G	Q	R	H	W	E	R	Y	J	L	L	O	T	A
H	H	C	U	E	I	M	N	O	M	U	K	E	K
T	V	E	H	Y	F	A	A	S	D	D	Q	N	Q
D	C	F	M	E	P	J	U	X	H	E	A	T	O
R	X	O	S	I	M	N	C	R	W	E	X	I	X
E	L	E	C	T	R	I	C	A	L	W	F	A	F
F	G	D	Y	E	K	T	C	S	P	W	L	L	L
I	J	R	N	Q	G	S	O	A	A	R	G	G	G
L	S	O	U	N	D	B	J	G	L	M	F	F	F

1.....

3.....

2.....

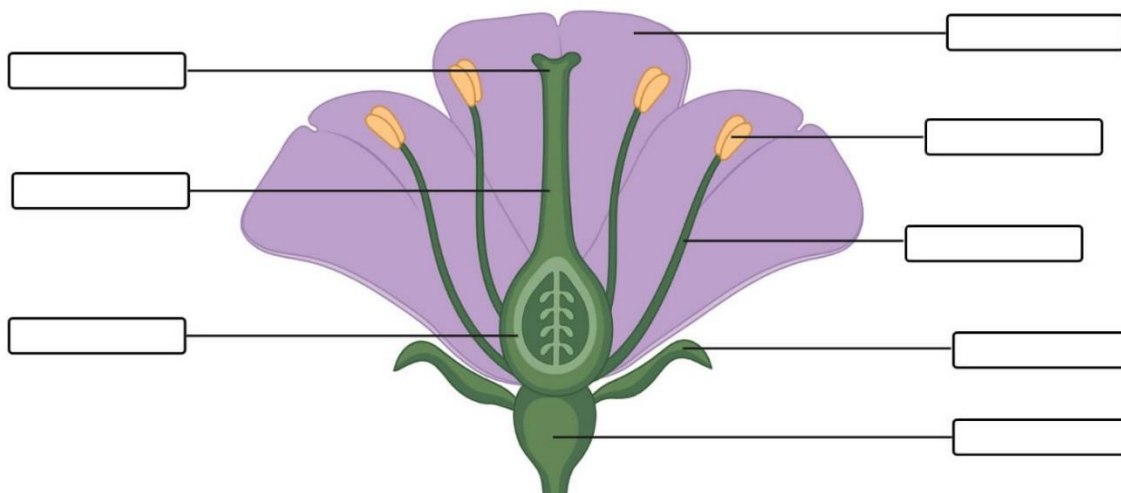
4.....

Question 6.

[6]

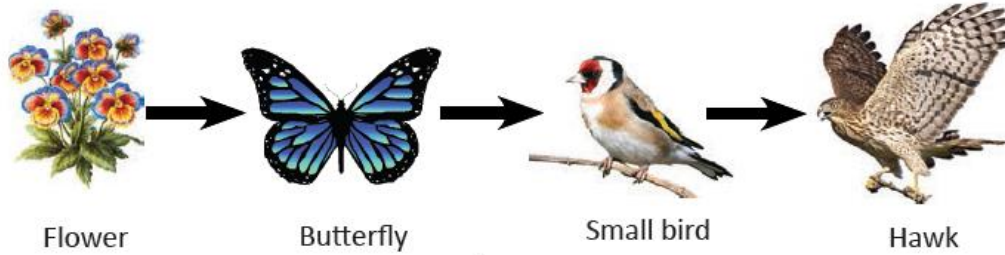
a. Look at the diagram of the flower and label the parts using the words given in the box. [4]

Stigma, petal, style, ovary, anther, filament, sepal, pedicle



b. Study the food chain given below and answer the questions.

[2]



i. Which one is the secondary consumer in the food chain?

[1]

.....

ii. How is the producer different from the consumers?

[1]

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.....

Question 7.

[6]

a. If Dawa uses 5 litres of petrol every day that cost Nu.100 per litre. How much will he spend in a week? [2]

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b. Why is hydroelectricity considered as clean energy?

[2]

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c. Dema kept a beaker of water in the sunlight for a week. The level of the water decrease every day. Why do you think the level of the water decreased? [2]

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Question 8.

[6]

a. Do all the dogs in the school campus look alike? Why?

[1]

.....

.....

b. I am an organism. I can breathe, reproduce and grow. But I cannot move from place to place.

What type of organism am I?

[1]

.....

c. Write ANY two differences between stem and root.

[2]

Stem	Root

d. If you are to play music in an open air, what would you do to make the music loud? Why? [1]

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e. Look at the pictures and write ONE uses of it

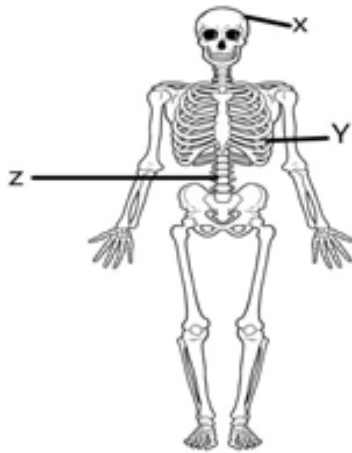


[1]

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Question 9.

[6]



a. Name the parts labelled X and Z in the diagram.

[2]

.....

b. What are the functions of the part labelled Y.

[2]

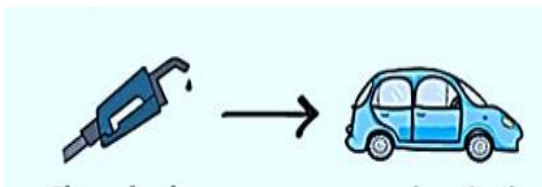
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c. Trace the energy transformation in the given pictures

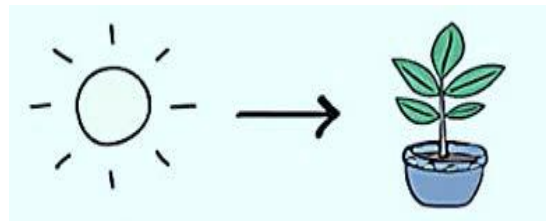
[2]



i.

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ii.

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