



Ministry of Education
Chumey Higher Secondary School
Chummig: Bumthang
Academic Year 2022



ANNUAL EXAMINATION

Subject: Science
Class: IV

Writing Time: 1 hour
Full Mark: 50 marks

INDEX CODE:

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Invigilator's Initial:

READ THE FOLLOWING DIRECTIONS CAREFULLY:

1. Do **not** write for the first **fifteen minutes**. This time is to be spent reading the questions. After having read the questions, you will be given **two hour** to answer all questions.
2. Write your **index code** in the space provided on the top of this cover page only.
3. In this paper, there are **two** sections: All questions in **section A** are compulsory and attempt any **six questions** from **section B**.
4. The intended marks for the questions or parts of questions, are given in brackets [].
5. Write **all** your answers in the **question booklet** itself.
6. Remember to write **quickly** but **neatly**.

SECTION A 20 Marks)

Compulsory: To be attempted by all candidates

SECTION A (20 Marks)

Compulsory: To be attempted by all candidates

Question 1

(a) *Direction: Read the questions carefully. For each question, there are four alternatives A, B, C and D. Choose and CIRCLE the most correct alternative. Do not circle more than ONE alternative. If there are more than ONE alternative circled, no score will be awarded. [5]*

i. The space occupied by matter is called

- A. Weight
- B. Height
- C. Volume
- D. Mass

ii.method is used to separate insoluble substance from a solid-liquid mixture.

- A. Distillation
- B. Filtration
- C. Flootation
- D. Sedimentation

iii. Which organism can make their own food using water, sunlight and carbon dioxide?

- A. Omnivores
- B. Autotrophs
- C. Carnivores
- D. Consumers

iv. Which is an example of Natural thing?

- A. Table
- B. Bag
- C. Sun
- D. Paper

v. The female part of flower is called

- A. Ovary
- B. Style
- C. Stamen
- D. Carpel

(b) Fill in the blanks with appropriate word/words.

[5]

- (i) An orange falls on the ground because of.....force.
- (ii) The shape of the Earth is.....
- (iii) Grasshopper and stick insects can be an example of.....
- (iv) Matter is anything that has mass and
- (v)is a kind of wire connection where bulbs are fixed one after another.

(c) Match the item under Column A with the most appropriate item of Column B. Rewrite the correct pairs by writing the number and the corresponding alphabet.

[5]

Column A	Column B	Answer
1. Push or pull that change the direction of object	A. Circuit	
2.Path through which the current flow	B. Solid-liquid mixture	
3.The liquid that passes through filter paper is called	C. Force	
4.Mixture of sand and water	D.Pull	
5.Causes Day and night	E. Residue	
	F. Current	
	G. Solid-solid mixture	
	H. Rotation	
	I. Filtrate	

(d) State whether the following statements are TRUE or FALSE.

[5]

- (i) Shadow is formed by transparent object. []
- (ii) It takes 24 hours or 1 day for the earth to complete one revolution. []
- (iii) Herbivores are also called plant eaters. []
- (iv) Stone and nail sink in water because they are light []
- (v) Pan balance is used for measuring weight. []

SECTION B (30 marks)

Attempt all question

Question 2

a. Husk and water is a solid-liquid mixture, we cannot use sedimentation and Decantation method to separate it. Why? (2)

Ans:.....
.....
.....
.....
.....
.....
.....
.....

b. State any two changes a force can bring to objects? (2)

Ans:.....
.....
.....
.....
.....

c. State any one usefulness of micro-organism? (1)

Ans:.....
.....
.....

Question 3

a. Why is it important to have a balanced diet?

(1)

Ans:.....
.....
.....
.....

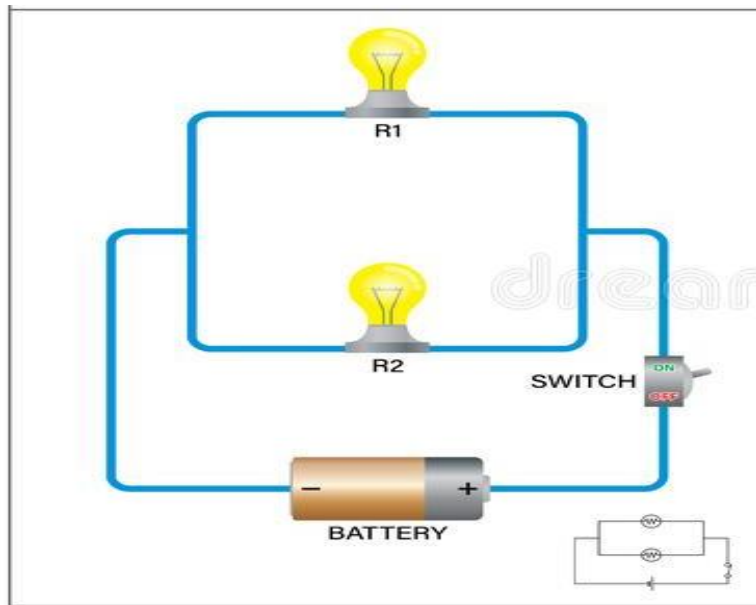
b. Explain how is a shadow formed?

(2)

Ans:.....
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c. Identify the diagram given below and mention it's two advantages?

(2)



Ans:.....
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Question 4

(a) From the list of the organisms provided below, make one food chain consisting of at least five organisms in a chain? (3)

(snake, cow, tiger, sheep, hawk, small bird, large bird, frog, insects, grass, rats, hen, grasshopper, monkeys)

Ans:.....

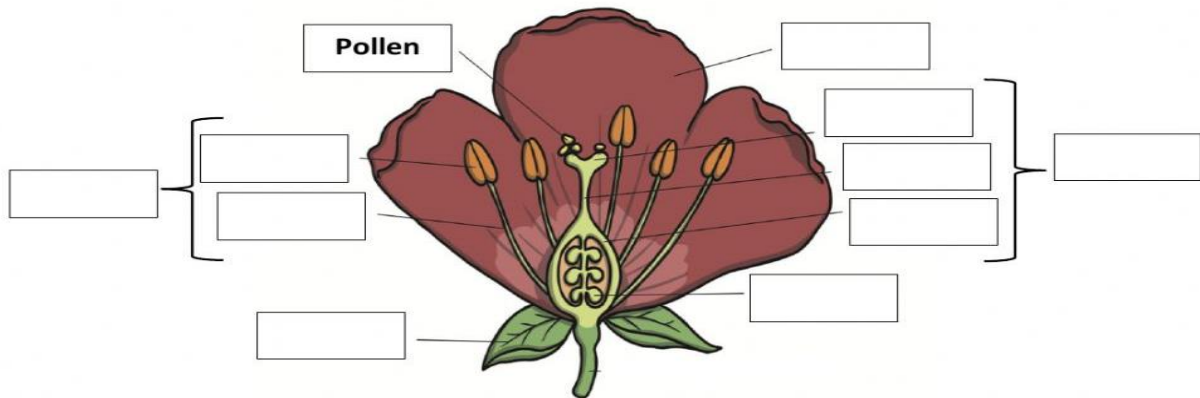
(b) Write any two difference between contact and non- contact force with an example each. (2)

Contact force	Non-contact force

Question 5

a. Label the diagram given below by selecting correct word from the given table. (3)

Filament	Ovule
Style	Stigma
Carpel	Sepal
Anther	Stamen
Ovary	Petal



b. Explain two uses of sunlight for the earth? (2)

Ans:.....
.....
.....
.....
.....

Question 6

a. Define the following terms: (4)

i.Circuit:.....
.....
.....

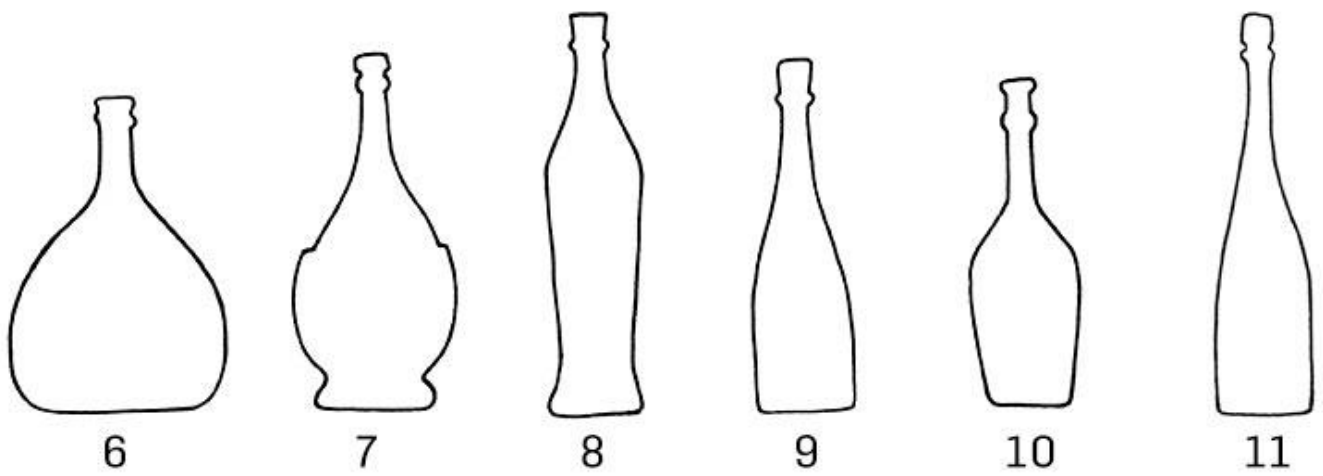
ii.Herbivores:.....
.....
.....

b. Why are human beings called omnivores? [1]

Ans;.....
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.....

Question 7

a. If we look at the given diagram, we can say that liquid does not have fixed shape. Give reason. (2)



Ans:.....
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b. Give any two examples of non-matter? (2)

Ans:.....
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.....
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c. Is camouflage useful for animals? Give one reason (1)

Ans:.....
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