**Science and Elementary Technology**

**25/06/2021**

**1:30 am -3:30 am**



**P4 END YEAR OF EXAMINATIONS, 2020/2021**

**SCIENCE AND ELEMENTARY TECHNOLGY**

**DURATION: 2 HOURS**

/50

**MARKS:**

**Instructions:**

1. Don’t open this question paper until you are told to do so`.
2. All questions are compulsory.
3. Read each question carefully before answering it.
4. Use only a **blue** or black **pen**.

**SCIENCE AND ELEMENTARY TECHNOLOGY/ P4 (50 MARKS)**

1) State whether each of the following statement is **true** or **false**

a) Agricultural tools make job easier.

………………………………………………………………………….**(1 mark)**

b) Hoe and pickaxe are sharpening tools.

………………………………………………………………………….**(1mark)**

2)a) State an agricultural tool used to sprinkle/spray liquid pesticides

on crops.

……………………………………………………............................ **(1mark)**

b) What are pesticides?

…………………………………………………………………………..

……………………………………………………………………………**. (1 mark)**

3) What is the benefit of making a basket out of tree sticks?

…………………………………………………………………………... **(1mark)**

4) a) Give one learning material that you made in paper at school

………………………………………………………………………… **(1mark)**

b) Why do you need to make maintenance of learning materials?

………………………………………………………………………….. **(1mark)**

5) Write the following abbreviations in full words **(2 marks)**

a. CPU :

b. ICT:

6) Write down any 2 importance of communication **(2 marks)**

6) Define the following ICT terminologies: **(2 marks)**

a. Window

b. Warm booting

Answer

7) Give the function of the following short cut keys **(3 marks)**

a. Ctrl + Z :

b. Ctrl + A :

c. Ctrl U :

8) State whether the following statement is **True** or **False (1 mark)**

Paint activity does not support collaboration with other drawing.\_\_\_\_

9) Write any 2 categories of command palette **(2 marks)**

…………………………………………………………………………………

…………………………………………………………………………………

1. A Handheld device for communicaion is known as .................. **(1 mark)**

1. Enumerate any 2 places where computer can be found **(2 marks)**

12) State whether the following statements are True or False

1. Soil contains water and moisture. **(1 mark)**
2. Sandy soil has high water-holding capacity **(1 mark)**
3. Fertile soil should have little amount of humus **(1 mark)**
4. Tall trees or hedges grown on all sides of a field act as wind breakers.

**(1 mark)**

13) Why are trees important in preventing soil erosion. **(1 mark)**

14) Match the following types of soil with their uses **(3 marks)**

(i) Loam a) making bricks, toys

(ii) Sand b) Best for plant growth

(iii) Clay c) good for crops like groundnuts.

15) Write any Two characteristics of an insect. **(2 marks)**

16) Give differences between Vertebrates and Invertebrates. **(2 marks)**

17) Use straight lines to match the following animals in column A with their

class in Column B

**Column A Column B**

Cow Amphibian

Frog Mammal

Hen Reptile

Locust Bird

Lizard Insect

**(5 marks)**

18) Name any Three skin diseases. **(3 marks)**

19) List any Two properties of skin. **(2 marks)**

20) Match the sensory organs with their function sensory organ

(i) Skina) It helps us to see

(ii) Nose b) It helps us to taste

(iii) Tongue c) It helps us to smell

(iv) Ear d) It helps us to feel

(v) Eye e) It helps us to hear.

**(5 marks)**

**COMPREHENSIVE ASSESSMENT 2020-2021**

**P4 SET MARKING SCHEME**

1) a)True **(1mark)**

b) False **(1mark)**

2) a) Spraying pump**(1mark)**

b) Substances that protect crops from insects **(1mark)**

or chemical substances used for killing insects and other organisms

harmful to cultivated plants and animalssuch as rats, fungi,

cockroaches.

3)Tree sticks are cheap **(1mark)**

Tree sticks are biodegradable, Tree sticks are everywhere

Baskets are used as dustbin; Baskets are used for transport

Baskets are used for storage, Baskets are used for harvesting

4)a)Triangle**(1mark)** rectangle, square

b) They look good **(1mark)** they last longer, their use is efficient

Comprehensive Assessment P4

5) CPU: Central Processing Units.

ICT : Information and Communication Technology.

6) Importance of communication (**any two**: **2 marks**)

- It saves time

- It reduces conflicts

- It helps to control diseases

- Communication helps farmers to know prices.

- It helps people to get information in a short time.

7) a) Window: It is an area occupied by a program on the screen.

b) Warm booting: is restarting a computer which was initially on.

**(2 marks)**

8) a. Control Z is used to undo an action

b. Ctrl A is used to select the whole document

c. Ctrl U is used to underline

1. **marks)**

9) False

10) Categories of command palette are (**any two**: **2 marks**)

- Motion - looks – control - variables

- operators - Event - Pen - Sensing

11) Mobile phone **(1 mark)**

.

1. Any 2 places where computer can be found **(2 Marks)**

At - Schools

* Office
* Border
* Hotel
* Home

13) (i) True

(ii) False

(iii) True

(iv) False

(**4 marks)**

14) –Trees hold the soil firmly

-Trees control the speed of wind by acting as wind breakers`

(**2 marks)**

15) (i) b

(ii) c

(iii) a

**(3 marks)**

16) –Have six legs

-Breath through spiracles

-Have antennae

**Any two: 2 marks**

17) Vertebrates have backbone while invertebrates do not. **(2 marks)**

18) CowMammal

Frog Amphibian

Hen Bird

Locus Insect

Lizard Reptile

(**5 marks)**

19)–Ring worm **(3 marks)**

-Eczema

-Scabies

20) –Colour (**3 marks)**

-Light or Dark skin

-Oily or dry skin

21) (i) d (**5 marks)**

(ii) c

(iii) b

(iv) e

(v) a