## SCIENCE PLE 2018

	CANDIDATE'S INFORMATION
	Index number :
	Name :
	Signature :
	School name :
	District name:
l.	State any one sign of a compound fracture.
2.	What happens when a new queen is born in a hive?
3.	Which human body organ balances the amount of water needed in the body?
4.	Give any one disorder of the human digestive system.
	The diagram below is of a crow bar. Study and use it to answer questions 5 and 6.
5.	Which of the two positions X and Y requires less effort to overcome the load W?
6.	Indicate on the diagram with an arrow E, the direction of the effort used to overcome the load W.
7.	Why do houseflies lay their eggs in decaying matter?

Why is a fuse made of a thin wire?
Where are seeds of coniferous plants found?
How is the function of anthers in flowers similar to that of testes in humans?
How do farmers control the breeding of poor quality animals on their farms?
By what process is alcohol made from fruit juice?
Give any one way in which school children can promote immunisation in their community.
What First Aid would you give to a child who has taken parallin?
State the importance of observing good posture to the human body.
The diagram below shows a fruit crop. Use it to answer questions 16 and 17.  16. How is the above crop propagated?
17. Give one other crop which is propagated in the same way as the crop shown above.
Give any one way in which human beings can prevent tapeworm infection.
How does smoking control the effect of bacteria in food preservation?
How are arteries able to withstand pressure of blood pumped from the heart?
State any one way in which people use sand soil.

•	Give any one disadvantage of overcrowding chicken in their house.
•	Which part of a maize grain absorbs and supplies food to the embryo?
•	What is the importance of the black lining inside a solar drier?
•	Mention any one factor considered when sorting clothes for washing.
•	Apart from removing dirt, why should the udder and teats be washed with warm water before milking?
•	How does prolonged breastfeeding help in child spacing?
•	What type of change is moulting in insects?
	How is a lunar eclipse formed?
	What determines the sinking or floating of an object in water?
	How does covering of food during cooking help to conserve wood fuel?
	State any one characteristic of images formed on the retina.
	Why are eagles referred to as birds of prey?
	The diagram below shows bags of maize flour in a store. Use it to answer the question that follows.  Bags of maize flour put on such a raised stand?
	Stand————————————————————————————————————

	Give any one way in which proper disposal of wastes is important in our environment.
	What would you do to a guitar string to make it produce a high pitched sound?
	Why do the lungs expand during breathing in?
•	Give any one way in which the spread of Hepatitis B disease can be controlled.
•	How are plants important in a food chain?
	a. Name the outermost layer of the human skin.  b. State any one waste product removed by the skin.  c. Apart from removing wastes, mention two other functions of the human skin.  i
	The diagram below shows a glass container into which water and cooking oil were poured. The two liquids settled as shown. Study and use it to answer the questions that follow.  Glass container  a. Which of the two liquids is represented by:  Q  R  b. State any one method that can be used to separate the two liquids.

43. In the table below, part A shows processes in human reproduction. Part B shows meaning of the processes in their wrong order.

A: Processes	B: Meaning
a. Ovulation	union of a sperm and an ovum.
b. Implantation	release of ovum from ovary.
c. Pregnancy	attachment of the embryo on the uterus wall.
d. Fertilization	a period from fertilization to birth.

	c. I regnancy	allachment of the embryo on the uterus wall.
	d. Fertilization	a period from fertilization to birth.
,	Select from the table the co	orrect meaning of the processes and write in the space
1	provided below.	
(	a. Ovulation	
	o. Implantation	
(	c. Pregnancy	
(	d. Fertilization	
l4.	a. Write down any two ca	uses of weathering of rocks.
	i	
i	I	
	b. Apart from weathering, 1	name the other process by which soil is formed.
,	c. How do living organisms	in soil help to improve soil fertility?
	a. Give the importance of e solution (ORS) to a patient.	ach of the following components of oral rehydration
	i. Sugar	
	ii. Water	
	b. Apart from using ORS, g	ive two other ways of replacing lost fluids in a patient.
i.		· · · · · · · · · · · · · · · · · · ·
ii.		
-6.	The diagram below shows	a defect of the human eye. Study and use it to answer
	the questions that follow.	

	o causes of the eye	defect shown above.
	CI	
c. VVhat type o	tlens is used to cor	rect the above eye defect?
The table below	shows weather ele	ments, instruments and their uses. Study
complete it corr	ectly.	
Element	Instrument	Use
Rainfall		_ Measures the amount of rainfall.
	_ Hygrometer	Measures the amount of water vapou
		the atmosphere.
Wind		_ Measures the speed of wind.
1 1	11 1	
temperature	thermometer	
temperature  1. State the two		nals depend on other animals.
state the two	o ways in which anin	mals depend on other animals.  ts depend on other plants.
o. State the two	ways in which animus	ts depend on other plants.
a. State the two	ways in which animus that	ts depend on other plants.  belong to different classes of vertebrates
The following is a	ways in which animals that a questions that follows	ts depend on other plants.  belong to different classes of vertebrates w.
The following is a Monkey,	ways in which animals that a questions that follow	ts depend on other plants.  belong to different classes of vertebrates w.  codile, Tilapia
The following is a Monkey,	ways in which animals that a questions that follow	ts depend on other plants.  belong to different classes of vertebrates w.
The following is a Monkey,  In which clase	ways in which animals that e questions that follows of vertebrates do	ts depend on other plants.  belong to different classes of vertebrates w.  codile, Tilapia

	d.	How is the reproduction of tilapia different from that of a parrot?
50.		Give one reason why drugs should be kept; Away from moisture and sunlight
	ii.	Out of reach of children
		State any two ways in which people in a family can misuse drugs.
51.		What germ causes mastitis in cattle?
		Give any two signs of mastitis.
		State any one way of controlling mastitis in cattle.
52.	a. ( i	Give any two qualities of seeds that can germinate.
	ii b. S i	State any two farm practices which help in controlling insect pests in a garden.
53.		e diagram below is of a thermos flask. Study and use it to answer the questions it follow.
	Y	a. Name the parts labelled Y and Z.  Y  Z  b. Give any one material that can be used for making
	Z—	part W.

a. S	itate any two differences between the external parts of a hen and those of a k.
i	
ii	
b. V	Vrite down any one product got from poultry birds.
c. G	ive any one way in which farmers can improve on the quality of their local
	eds of chicken.
_	
	rive any two possible ways through which a baby can get HIV/AIDS from her.
	, , ,
	ive any two possible ways through which a baby can get HIV/AIDS from her.
mot i ii	her.
mot i ii b. S	her. State any two ways in which an HIV positive pregnant woman can protect
mot i ii b. S	her.