SECTION A

1. State one use of trees in our environment.
2. Identify any one sign of pest damage in crops.
3. How is BCG vaccine different from polio vaccine in the way they are administered?
4. Which part of a fish detects sound waves in water?
5. Give one importance of wind to plants.
6. Identify the product got from cattle whose body shape is shown below.
7. Why is a bat classified under mammals?
8. Name the component of blood responsible for clotting blood in cuts.
9. Why is burning of wood to ash called a chemical change?
10. What do the eggs of a cockroach hatch into?
11. Which element of PHC is promoted through proper disposal of rubbish?
12. Name the deficiency disease caused by lack of vitamin A in the diet.
13. Identify any one method of harvesting root crops from the garden.
14. Which part of a flower has the same role as the testicles of a bull?
15. Give a reason why worker bees are not able to lay eggs.
16. In which one state of matter does heat travel by convection?
17. Why should we tepid sponge someone with fever?
18. How is the seed shown below dispersed?

19. Why are green plants unable to make food at night?	
20. Give one example of a living resource in the environment.	
21. Identify one poultry disease caused by protozoa.	
22. In which way is a mushroom similar to a moss plant?	
23. Give one importance of cilia in the nostrils of mammals.	
24. Mention one example of a stem tuber.	
25. Write down any one device used to store sound.	
26. State one way water gets contaminated at the source.	
27. Identify any one example of a plant fibre.	
28. Why does a medical worker dip a clinical thermometer in spirit before using it on another	person?
29. Why is sugar used in the making of ORS?	
30. Name one body organ severely damaged by excessive consumption of alcohol.	
31. Mention one example of a disease that is spread through droplet infection.	
22 Identify the time of twenters above helevy	

32. Identify the type of tropism shown below.





Ligili

- 33. State one danger of hook worm infestation to the human body.
- 34. Give one way in which animals depend on plants.
- 35. Suggest one way a crop farmer can control pests without using chemicals.

36. Name one by product of respiration.
37. State one way in which a child gets natural immunity.
38. Identify one example of a water habitat disease.
39. How is blood carried by the pulmonary vein different from that carried by the pulmonary artery
40. Give one importance of a school health committee.
SECTION B 41. Study the diagram below and use it to answer questions that follow. a) Name the type of root system shown above.
b) Which group of crops has such roots?
c) State the function of structures marked Z .
ortant to plants?
42.a) Give any two advantages of keeping local breeds of cattle.
Name the fuel obtained from cow dung.
Why do farmers mainly rear Friesian breed of cattle?
43.a) How are insects like moths able to locate flowers at night?
Mention any two living agents of pollination.
What happens when pollen grains land on the stigma?
44.a) Identify the groups of vertebrates to which the following animals belong. nake Toad
WhaleHow is the reproduction of a whale similar to that of a snake?

45.a) Mention any one cause of soil erosion.			
b) Suggest two ways of controlling s			
ii)			
c) Identify any one agent of soil ero	sion.		
46.a) Name the type of teeth us i) Biting food			
ii) Tearing flesh			
b) Why should food be chewed prop	perly before being swallowed?		
c) Which disorder of the digestive sy the alimentary canal?	stem leads to blockage of foo	d movement along	
47. Study the diagram below and use it to answer questions that follow. a) Identify the method of obtaining clean water shown in the diagram			
M i) ii)	the scientific name given to su M N the above method not safe fo		
- <u></u> N			
48.a) wnich part of the human li)scables	oody is affected by the following	ng diseases?	
ii) conjunctivitis			
b) Name the vector that spreads rat	pies.		
d) Identify one disease likely	to breakout in an area due to	poor sanitation.	
49. Study the table below	and fill in the missing info	mation	
es of food	value	iency disease	
	in C		
	niorkor		
d salt			
	hydrates	mus	

a) To which group of instruments does the above shown instrument belong?
b) How is the above instrument played?
c) Which string will produce the highest pitched sound?
d) How are echoes reduced in cinema halls?
51.a) State the difference between a burn and scald .
b) Which First Aid is given in case of each of the following; i) Burns and scalds
ii) Fractures
iii) Snake bite
52.a) State any two reasons why people smoke.
) i)
b) Give one danger of smoking to a pregnant woman.
Besides smoking, give any other way how drugs are introduced into the body.
53.a) How is each of the following plants propagated;
) Sugar canes?
i) Onions?
ii) Bananas?
o) State one advantage of growing crops vegetatively over seeds.
54. a) Give one example of each of the following
i) Renewable resources
ii) Non-renewable resources
) i)
55.a) State the function of the heart in the human body.

Use the diagram of a musical instrument shown below to answer questions that

follow.

ii)	Red blood cells
do	o arteries have thicker muscular walls than veins?
	SECTION A
1.	Name the first set of teeth to appear in a human.
2.	Give one reason why farmers rear birds.
3.	How useful is an echo to a pilot?
4.	Which property of air enables one to spray perfume on the body?
5.	State one process that helps in soil formation.
6.	How is the tool below useful to a farmer?
7.	Which type of weather drives wind mills?
8.	Why does a butterfly die when its abdomen is covered with cassava flour?
9.	Name one exotic breed of rabbit reared in Uganda.
10. By which process do plants absorb water from the soil?	
11. Identify one method of applying fertilizers in the soil.	
12. State one effect of alcoholism to the family.	
13	. In which way is a burn similar to a scald?
14	. Calculate the density of the figure below if its mass is 84g
	7cm

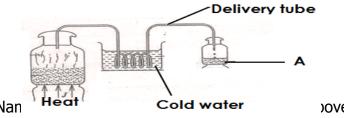
15. Suggest one way P.6 pupil can promote sanitation in his/her classroom.
16. Why do small drums produce high pitched sound?
17. Name the digestive juice produced in the stomach.
18. Write down one example of a sea mammal.
19. State one effect of heat on matter.
20. What do we call the blood vessels that carry blood away from the heart?
21. How is sugar helpful to a dehydrated child?
22. Name the fungus that helps in fermentation of alcohol.
23. How does the cork of a vacuum flask control heat loss?
24. Identify any one quality of a good first aider.
25. How is a housefly adapted to spreading disease germs?
26. Why do farmers dock the female sheep?
27. State the importance of a latrine in a clean home.
28. How can a farmer improve upon his local breeds of goats?
29. In the space below draw a leaf with parallel venation.
30. Why do worker bees visit flowers?
31. Identify one way in which drugs are taken into the body.
32. Name one vertebrate that uses a shell for protection?

33. Why do doctors dip a clinical thermometer in alcohol before using it on another patient?		
34. How do bacteria reproduce?		
35. Why is a rain gauge placed in an open place?		
36. Which vitamin improves upon our vision?		
37. State the function of the blood cell below in the body.		
nucleus		
38. Identify the body system that is severely destroyed by smoking.		
39. Give one condition that may force a mother to bottle feed her baby.		
40. Mention one cause of soil exhaustion.		
SECTION B 41.a) Why is cholera regarded as a communicable disease?		
b) Besides cholera, mention two other communicable diseases. i)		
ii)c) Suggest one way of controlling the spread of cholera.		
42. a) State any two reasons why people smoke. i)		
ii)		
c) How is <u>passive smoking</u> different from <u>active smoking</u> ?		
43.a) Name any two examples of root crops. i) ii)		
b) Mention one pest that attacks root crops.		
c) Suggest one way of caring for crops in the garden.		

b	o) Give one example of each of the following;
	i) Chemical change
	ii) Physical change
C	e) Mention one human activity that spoils the environment.
	a) State two ways in which pineapples are propagated.
t	Mention one crop which can be propagated in the same way like a pineapple.
C	z) Identify one common pest of pineapple.
	State any two components of air besides carbondioxide.
ii	
t	b) Why is carbondioxide used in fire extinguishers?
- C	r) How is wind different from air ?
47. S	Study the diagram below and use it to answer questions that follow.
	D C B
ā	n) Name the parts labeled:
t	i) D ii) A b) State the function of part C .
	c) Name one disease that attacks the human ear.
48 =	a) Why is a scorpion called an invertebrate?
	wity is a scorpion called an invertebrate:
t	o) To which group of vertebrates does a frog belong?
C	l) Why is a fish called a cold blooded animal?
C	d) State one similarity between birds and mammals.

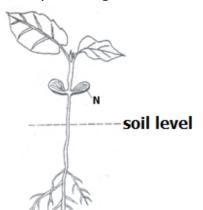
44. a) Name one biological change that occurs in both plants and animals.

49. Use the diagram below to answer questions that follow.



	a) Nair 33 33 Cold Water)ove.
	b) What role is played by cold water in the above process?
	c) State the scientific name given to the liquid in container A.
	d) State any one use of alcohol to people.
50	a) Besides egg eating, name any other poultry vice.
	b) Give one cause of egg eating in poultry.
	c) Suggest two ways of controlling vices in poultry. i)
	ii)

51. Study the diagram below and use it to answer questions that follow.



- a) What type of germination is shown in the diagram?
- b) Identify any one seed that undergoes the above mentioned type of germination.
- d) Give one factor that may make a seed fail to germinate when all conditions are present.

52. Match the following weather instruments to their function

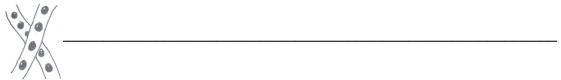
riden the following wedther motivations to their function		
A	В	
Hygrometer	speed of wind	
Barometer	amount of rainfall received	
Rain gauge	atmospheric pressure	
Anemometer	strength of wind.	
	Amount of water vapour in the atmosphere	
a) Hygrometer		
b) Barometer		

c) Rain gauge
d) Anemometer
53.a) Name the component of soil that increases its fertility.
b) Write down two ways of maintaining soil fertility. i)
ii)
c) How does bush burning cause soil erosion.
54.a) What do we call the sudden happening that causes injury to the body?
b) Give two reasons why people with injuries should be given First Aid. i)
ii)
55. Write down any three requirements needed when starting a farm. i)
b) Mention any one tick borne disease in farm animals.
Good luck
SECTION A 56. Name the best soil for modeling.
57. Identify one enzyme found in the stomach.
58. Mention an invertebrate that defends itself by withdrawing into its shell.
59. Give one cause of soil erosion.
60. How does heat travel through liquids and gases?
Below is a diagram showing the roots of a monocot.

61. State the use of the roots marked P to the plant.
62. Why do electricity wires appear tight on poles on cold days?
63. State any one cause of dehydration.
64. In which way are irish potatoes propagated?
65. Why are theatre halls usually covered with soft boards?
66. Give one importance of the tongue during digestion.
67. Below is a diagram showing the foot of a bird. Mention one example of a bird with such a foot.
68. Why should materials made of iron be painted?
69. Why is a P.6 pupil advised to cut finger nails short?
70. Name the plant's response towards light.
71. Why is a spider not an insect?
72. What is shearing as used in sheep keeping?
73. State the digestive juice produced by the stomach walls.
74. In the space below, draw a diagram showing fibrous root system.
75. How are sunbirds and bees useful to flowers?
76. Give any one reason why we give First Aid to accident victims.
77. State any one sign of a goat on heat.

The diagram below shows an insure	78. Name the instrument shown in the diagram
	79. How is part marked X useful in the instrument above?
X 80. What gas do legume plants need to	make proteins?
81. Mention one way in which vaccines a	are introduced into our bodies?
82. Why is ice called matter?	
83. Give any one example of a chemical	change.
84. State any one reason why people dri	ink alcohol.
85. How does mulching keep moisture in	n the soil?
86. Of what use is a dustbin in the school	ol compound?
87. State the reason why bees sometime	es swarm.
88. Why do people keep rabbits in their	homes?
89. Give one activity a community can de	o to reduce road accidents.
90. To which group of succulent fruits do	pes the fruit in the diagram below belong?
91. Give one way in fungi are useful to p	people.
92. By what process does smoke move t	hrough the chimney?
93. State the use of water during seed g	ermination.
94. Calculate the density of an object wh	nich has a mass of 60 grams and volume of 6cm ³ .

95. Name the amphibian that lays eggs shown in the diagram below.



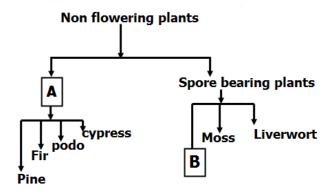
SECTION B

96. <u>Below are steps used to recover salt with mixed sand, re-arrange the steps correctly.</u>

- i. Filter the mixture.
- ii. Add water and stir to dissolve the salt.
- iii. Boil the filtrate until it evaporates to dryness.
- iv. Collect the mixture and put it into the container.

i.	
ii.	
iii.	
iv.	

97. Study the diagram below and answer questions.



- a) Name parts marked **A** and **B**.
 - i) **A**_____ii) **B**_____
- b) How can plants depend on animals?
- c) How do plants in **A** obtain their food?

98.a) Which element of Primary the maternal shown in the diagram below.



Health Care is promoted by using

b) Apart from the element of PHC you have mentioned in (a) above, state two other elements of PHC
i)
ii)
c) Give one way in which a community can promote Primary Health Care.
99. a) Mention two vulnerable groups of people involved in breastfeeding.
i)(ii)
b) Give one advantage of breastfeeding.
c) Write down one disadvantage of bottle feeding.
100. a) Name the muscles that make up the heart.
b) Why is the left ventricle of the heart thick walled?
c) Write down any two functions of blood in the body.
i)
ii)
A B
Hygrometer Speed of wind
Wind vane Amount of water vapour.
Barometer Direction of wind.
Anemometer Atmospheric pressure.
i) Hygrometer
ii) Wind vane
iii) Barometer
iv) Anemometer
102. a) State the type of smoking where one inhales smoke indirectly from an active smoke.
b) Give one disease of the lungs caused by smoking
c) Suggest two ways in which an individual can avoid drug dependence.
i)
ii)
b) How is a strip cup useful to a cattle keeper?

c) Identify the diseases of cattle spread by ticks.	
i)(ii)	
104. The diagram below shows three drums. Use it to answer questions below.	
a) Which drum will produce sound with:- i) The lowest pitch ii) The highest pitch	
b) How does a drum produce sound?	
c) Give one reason why sound is stored.	
a) Give two characteristics of living things. i)	
b) State the difference between <u>plants</u> and <u>animals</u> .	
c) How do pupils benefit from orange plants in the school compound?	
106. a) What are social insects?	
b) Give two examples of social insects. i) ii)	
c) In which one way are insects useful to people?	
107. Oil and water were mixed in a glass as shown below.	
a) Name the liquids X and Y .	
XY	
b) Why does liquid X settle on top of liquid Y ?	

	c) When is displacement method applied in Science?
108	a) What causes tooth decay?
	b) State the use of each of the following types of teeth; i) Molars
	ii) Canines
	c) Suggest one way of caring for our teeth.
109	a) What term refers to all domestic birds?
	b) State two types of chicken.
	i)
	c) State the system of keeping birds that is common in rural areas.
<u>11</u>	0. Study the diagram below and answer questions that follow.
	a) Name the organism shown in the diagram
	b) To which kingdom of living things does it belong?
	c) Name the part marked A
	d) State the use of part B to the organism above.
	SECTION A:
111.	In which state of matter is ice?
112.	Why are expectant mothers called vulnerable groups of people?
113.	State one duty of worker bees in the hive.
114.	How do green plants benefit from the process of respiration in animals?
115.	Name the class of food which protects our bodies from infection

n which way is the reproduction of yeast different from other fungi ? How important is dustbin in our classroom?	
low important is dustbin in our classroom?	
dentify the property of air shown below.	
Air bubbles glass	
ive one example of a stem tuber	
Why is a dog referred to as a living thing?	
Mention one way in which our bodies acquire immunity.	
Give one poultry disease caused by a virus.	
Name one dairy breed of goats reared in Uganda.	
low is the life cycle of locusts different from that of butterflies?	
Name the liquid metal which is commonly used in thermometers.	
Mention one similarity between fungi and bacteria	
Why is evaporation of water to steam called a physical change?	
Explain the term kindling as usedin rabbit keeping.	
is a diagram of a plant with a running stem, use it to answer ques	stions 2



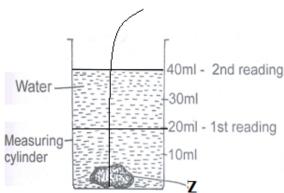
- 132. Give one reason why plants with such stems climb other plants?

	133. Identify one local method of preserving food.
134.	How does a crop farmer benefit from the action of worker bees visiting his tomato garden?
135.	Give one way of preventing burns while lifting hot objects.
136.	Why are poultry farmer encouraged to mix crushed bones of fish in poultry mash?
137.	Besides plants and animals, mention any other kingdom of living things.
138.	State one importance of heat to man.
139.	Give one importance of litter on a poultry house.
140.	Name one condition necessary for rusting to occur.
141.	Why is the space left in the bottle of soda below? Space left
142.	A part from the sun, identify any other natural source of heat energy.
143.	Why is a bat called a mammal yet it flies like birds?
144.	Name the most sensitive part of the tooth.
145.	How useful is an Anemometer at a weather station?
146.	Identify any one raw material for Photosynthesis
147.	In which part of the alimentary canal of man is alcohol absorbed?
148.	Why should pit latrines be smoked regularly?
149.	How is sleep and rest important for our well being?
150.	Mention one vaccine given to babies at 6, 10 and 14 weeks.

SECTION B,

151.a)) What are vertebrates ?
b)	Besides birds, mention two other groups of vertebrates.
c)	i)ii) Why are birds referred to as warm blooded vertebrates?
152.	Below are roots of a monocotyledons plant, use the diagram to answer questions that follow.
	a) Name the part labeled N .
	b) How useful are roots marked M to the above plant?
c)	Name any two plants with the root marked M above. i)ii)
153. a)	How do the following animals protect themselves against enemies? Caterpillars:
b)	Porcupines:
c)	Snakes:
•	Chameleons:
b)	Identify any two examples of heat insulators. i)ii)ii)
c)	Why do electric wires appear tight during cold weather?
155.a	How useful is Royal jelly in a bee hive?
b)	State one advantage of a modern bee hives over a traditional hives.
c)	Name two products got from bees. i) ii)
156.a)	i)ii)ii)ii)ii
	i) Chemical change
h)	i) Biological changeState one major similarity between chemical and biological changes.
υj	State one major similarity between chemical and biological changes.
c)	Which physical change leads to change of state from liquids to solids?

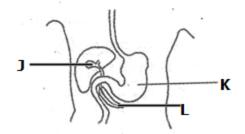
157. Study the experiment below and use it to answer questions that follow.



- a) Name the method of finding volume shown above.
- b) What scientific name is given to the object marked Z?
- c) Calculate the volume of the object marked Z in the diagram above.

- d) When is such a method of finding volume used?
- 158.a) Name one exotic breed of sheep reared for wool production.
 - b) Identify any one product made from wool. _
 - c) How is docking an important practice in sheep management?
 - d) Why is it not advisable for a farmer to live in the same house with domestic animals?

159. <u>Study the diagram showing part of the digestive system of man and use it to answer questions that follow.</u>



- a) Name parts labeled **J andL**.
- i) **J**_____
- ii) **L**
- b) Which enzyme clots proteins in the milk of babies in part labeled **K**?
- c) Suggest one way of keeping the digestive system in a good working condition.

160. Match the diseases in list A to the germs that cause them in list B

	A	В		
a)	Malaria	chlamydia	l	
b)	Typhoid	HIV		
c)	AIDS	Salmonell	, ·	
d)	Trachoma	Plasmodia	l	
a)	Malaria			
b)	Typhoid			
c)	AIDS			
d)	Trachoma			
161. a day.) Name the tl	iermometer used to me	asure the highest	and lowest temperatures of the
b)	Give a reason why	mercury is commonly u	sed in most therm	nometers.
c)	How is BCG vaccine	different from polio vac	cine in the way th	ey are administered?
d)	In which units is ter	nperature measured?		
162.a)	What is mear	nt by the term immunity	?	
-		s in which our bodies a	•	
	ii)			
	Mention one type of	immunity.		
	•	two components of soil		
		ii	,	
D)	wnich type of soil i	s useful in pottery indus	stry?	
c)	Apart from pottery,	give one other importar	nce of soil to man	
		hows the component	ts of air. Use it t	o answer questions that
	State any one use of	x.	letters:	
165.a)	Identify any o	one cause of road traffic	accident in Ugan	da.

ر در	Name any two items which can be found in First Aid box.
C)) ii)