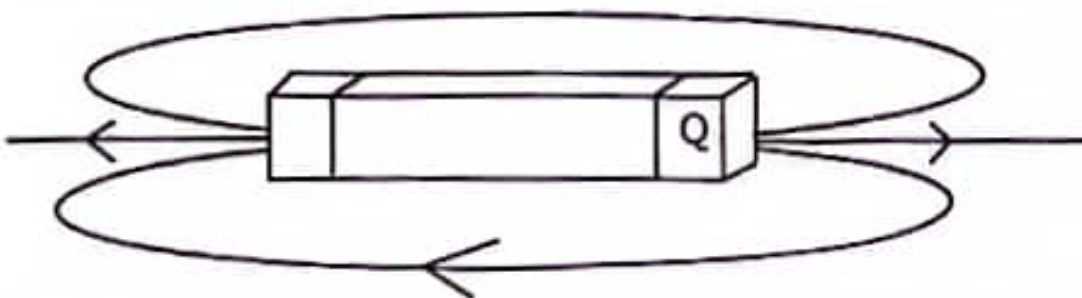


SECTION A: 40 MARKS

1. Mention one example of wet heat.
.....
2. Apart from being used as habitat, state any other way soil is useful to termites.
.....
3. State one way in which sound is similar to light.
.....
4. How can crop farmers eliminate gap filling in crop growing?
.....
5. Where in the human body does circulation of blood begin from?
.....

The diagram below shows a certain property of magnets. Study and use it to answer questions 6 and 7.



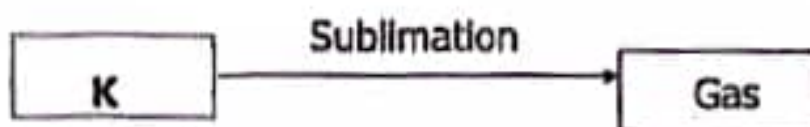
6. Identify the pole of magnet marked Q on the diagram.
.....
7. How is the force produced by the above magnet useful to the phone repairer?
.....
8. Why do mosquitoes lay their eggs in stagnant water?
.....
9. Identify the local method that preserves meat for a short period of time.
.....

- Why can't an egg hatch after washing it in water before incubation?
.....
30. Mention one sign of malnutrition in adults.
.....
31. Give a reason why tiles are not put in a compound at home.
.....
32. Why is alcohol used to measure the minimum temperature in a six's thermometer?
.....
33. Apart from chinchilla, name any other one breeds of rabbits kept in Uganda.
.....
34. Give one way in which electro-magnet can be made stronger.
.....
35. How are petroleum products obtained from crude oil in the oil wells?
.....
36. Which Immunisable disease is spread through having unprotected sex with an infected person?
.....
37. Why are the legs of a fainted person raised higher than the head?
.....
38. Mention one non root tuber crop propagated by stem cutting.
.....
39. Apart from fish, mention another group of vertebrates which undergo external fertilization.
.....
40. State one way contraction of electric wires during cold weather can be controlled when fixing wires on poles.
.....

19. In which way does over grazing lead to soil erosion in an area?

20. Why is it important for poultry farmers to include coccidiostats in their feeds?

The diagram below shows a certain physical process in states of matter. Study it and answer questions 21-22.



21. Which state of matter is represented by letter K in the diagram?

22. Mention one substance that can undergo the above process in the diagram.

23. State one characteristic of essential drugs.

24. How is photosynthesis process important to plants?

25. Which type of thermometer uses both mercury and alcohol?

26. Apart from filtering blood, give one other function of the kidney in the human body.

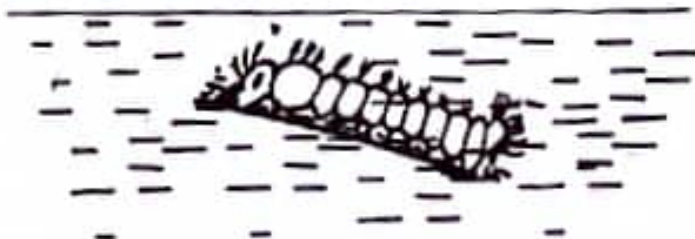
27. How are ladybirds insects important to the crop farmers?

28. In which way is steaming up an important practice in animal husbandry?

Why do people sometimes put ash on a burning charcoal stove when cooking food?

1. Mention the worm infestation controlled by wearing shoes when walking in dirty places.
12. How best can HIV/AIDS be controlled among the youths?
13. In which way is sweating in animals similar to transpiration in plants?

The diagram below shows the larva stage of a mosquito. Study and use it to answer questions 14 and 15.



4. Mention the disease spread by the mosquito whose larva is shown in the diagram above.
5. Apart from mosquito, mention any other example of water habitat vector.
6. Write down one activity done to promote good health life styles.
7. Write down one characteristic that makes a crocodile to be grouped under reptiles.
8. Name the body process that helps in production of energy.

46. a) In which way is the formation of loam soil different from that of sand soil?

.....
.....

b) Why do crop farmers need loam soil?

.....

c) Write down two non-living components of soil.

i.)

ii.)

47. a) Write down two diseases common in both goats and sheep.

i.)

ii.)

b) Mention two advantages of rearing goats and sheep over cattle.

i.)

ii.)

48. The diagram below show a certain type of thermometer. Study it and answer the questions that follow.



a) Which type of thermometer is shown above?

b) How is part M important to the thermometer above?

c) How is part marked O adapted to its function?

d) Mention the common liquid used in the above thermometer.

c) Write down one factor that affects the efficiency of the above simple machine.

.....

a) Mention two methods of plant training.

i.)

ii.)

b) Apart from banana plants, mention one other crop trained by propping.

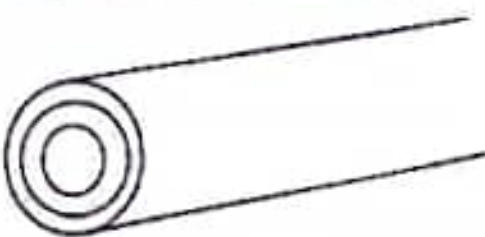
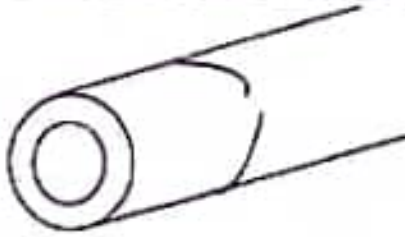
.....

c) Why is it not necessary to mulch sweet potato garden?

.....

.....

The diagram below shows different blood vessels in the human body. Study them and answer the questions that follow.

Blood vessel X	Blood vessel Y
	

a) Mention one example of each of the blood vessels in the human body.

i) Blood vessel X

ii) Blood vessel Y

b) Mention two structural differences between blood vessel X and Y.

i)

.....

ii)

.....

SECTION B

41. a) Write down one type of immunization.

.....

b) Why is immunization services free of charge in Uganda?

.....

c) Apart from immunization, suggest any other way of controlling infant mortality rate

.....

d) Mention one example of other immunisable diseases.

.....

42. a) Mention any two energy resources from water.

i)

ii)

b) In which way do plants help in rain formation?

.....

c) State one way in which water can be polluted.

.....

43. The diagram below is a certain simple machine. Study it and answer the questions that follow.



a) Mention the type of simple machine shown in the diagram above.

.....

b) Name the parts marked K and L

i) K

ii) L

- 4) Match the following weather instruments in A with their functions in B.

A	B
i) wind sock	Measures the speed of wind.
ii) Hygrometer	measures the amount of rainfall
iii) Rain gauge	measures humidity
iv) Anemometer	measure the strength of wind

- i) Wind sock
- ii) Hygrometer
- iii) Rain gauge
- iv) Anemometer

55 a) State the Importance of perches in a poultry house.

.....

b) Mention two advantages of rearing kuroiler bird to layer birds.

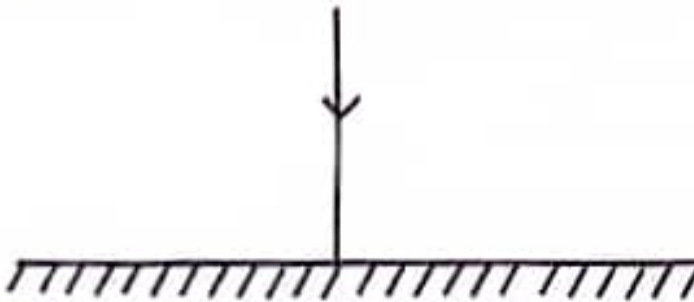
i)

ii)

c) What type of birds/chicken are kuroiler birds?

.....

b) Complete the diagram by showing reflected ray.



c) Mention one characteristic of image formed in:-

- i.) Plane mirror
- ii.) Human eye

52. a) How does an implant prevent a woman from getting unwanted pregnancy?

c) Mention any other two measures women use to control unwanted pregnancies.

- i)
- ii)

d) Write down one disadvantage of producing many children in a family.

53. a) Write down any two factors that lead to deforestation.

- i)
- ii)

b) Give two reasons why deforestation should be discouraged.

- i)
- ii)

Study the table below and use it to answer the questions.

A	B	C	D
carrots cassava turnips	onion garlic spider Lilly	Banana pineapple	ferns mosses liverworts

a) Mention one characteristic common to crops in the following groups.

- i) Group A
- ii) Group C

b) How are the crops in group D different from the rest in terms of reproduction?

c) Which other crop has the same mode of propagation as those in group c?

50. a) How is burning similar to rusting?

b) Mention two conditions necessary for burning to take place.

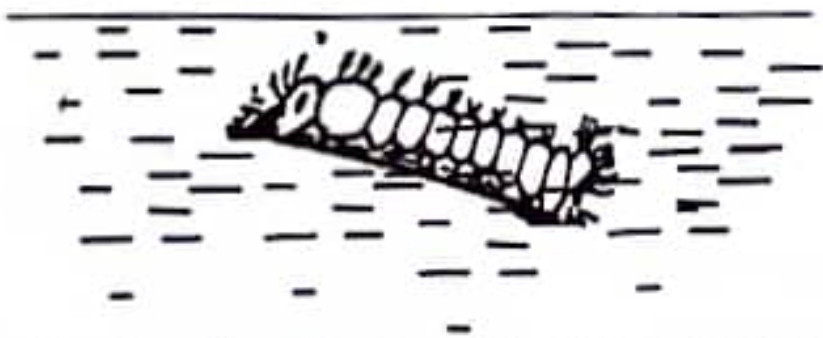
- i.)
- ii.)

c) Why are some kitchen utensils made of stainless steel?

51. a) State one law of reflection.

- 1. Mention the worm infestation controlled by wearing shoes when walking in dirty places.
.....
- 2. How best can HIV/AIDS be controlled among the youths?
.....
- 3. In which way is sweating in animals similar to transpiration in plants?
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