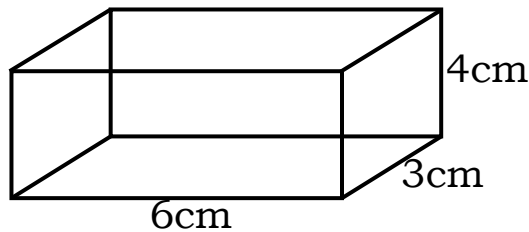


SECTION A (40MARKS)

1. Mention **one** form of cubic units used to measure volume.
.....
2. State the most recommended age for weaning babies.
.....
3. Give **one** importance of decomposition of organic matter in the environment.
.....
4. State **one** characteristic of essential drugs.
.....
5. Write **one** form of waste management in the community.
.....
6. Which class of food is highly recommended for the elderly?
.....
7. Why are plants grouped under renewable resources?
.....
8. State the function of the right atrium of the human heart.
.....

The diagram below shows a shape of an object. Use it to answer questions 9 and 10.



9. Write the method used to find the volume of the object above.

.....
.....
10. Give a reason for your answer in 9 above.

.....
.....

11. Why do lungs increase in size during breathing in?
.....
12. Give **one** method of applying liquid fertilisers in the garden.
.....
.....
13. Mention **one** way in which a mother can control tooth decay in her family.
.....
14. State **one** structural difference between a nymph and an adult cockroach.
.....
.....
15. Mention **one** example of a non biodegradable material in the environment.
.....
16. In which way is the reproduction of yeast different from that of mosses?
.....
17. State **one** way of controlling ticks on a farm of goats.
.....

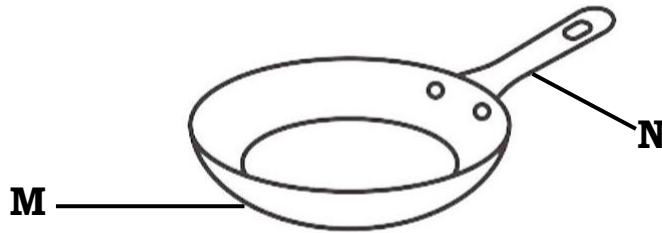
Use the diagram of a flower below to answer questions 18 and 19.



18. Name part marked C.
.....
19. State what happens to part A and B after successful fertilization.
.....
20. How can you tell by looking at a child whether he/she was immunised against tuberculosis?
.....
21. Write **one** cause of soil erosion.
.....

22. State **one** reason why a biogas digester should be tightly sealed.
.....
23. Apart from mulching, how else can moisture be manufactured in the soil?
.....
24. Give **one** way in which candidiasis spreads.
.....
25. Why are ventilators put at a higher level than windows on a house?
.....
26. State **one** importance of food in the body.
.....

The diagram below shows a frying pan. Use it to answer questions 27 and 28.



27. What kind of material is used to make part M?
.....
28. State one property of part marked N.
.....
29. What advice can you give to a poultry farmer who uses deep litter system in order to keep her birds busy all the time?
.....
30. What causes tetanus?
.....
31. How does cartilage help to reduce friction at joints?
.....
32. Mention the process by which water in a kettle boil.
.....
33. Apart from releasing ova, state another function of ovaries in humans.
.....
34. Give **one** practice done to improve on the quality of compost manure.
.....

35. How do valves prevent the back flow of blood in veins?

.....
The diagram below shows a child suffering from a food deficiency disease. Use it to answer questions 36 and 37.



36. Name the disease from which the child above is suffering.

.....
37. Give **one** way of preventing the disease which the child is suffering from.

.....
38. State **one** practice done by a tomato farmer to protect tomatoes in the garden from rotting.

.....
39. Give **one** factor that affects the kinetic energy of an object.

.....
40. Apart from growing crops, mention another activity involved in agroforestry.

SECTION B (60 MARKS)

41(a) Mention the class of vertebrates in which a bat belongs .

.....
(b) Why do you classify a bat in the class mentioned in (a) above .

.....
(c) How is a bat different from other animals in the class mentioned in (a) above

.....
(d) Write any other class of vertebrates apart from the one in which a bat belongs

42(a) State any **two** factors that can lead to alcoholism .

(i)

(ii)

(b) Give **one** effect of alcoholism to an individual.

.....

(c) Which law about alcohol safeguards school going children from taking alcohol in Uganda?

.....

43(a) Mention the form of electricity produced by:

(i) steam from hot springs

.....

(ii) petroleum

.....

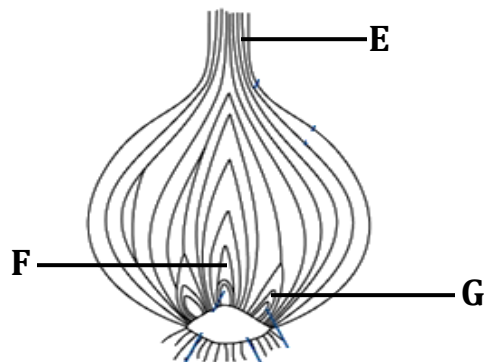
(b) State **two** advantages of using electricity.

(i)

(ii)

44. **The diagram below shows an onion.**

Use it to answer questions that follow.



(a) Name parts marked **E** and **G**.

(i) **E** (ii) **G**

(b) State the importance of part marked **F** to the onion.

.....

(c) Use letter **H** to show the part which is usually removed before cooking an onion.

45(a) Give **two** examples of energy resources from plants .

(i)

(ii)

(b) State **two** ways of conserving plants as sources of energy in the environment.

(i)

(ii)

46(a) State what is likely to happen to an iron knife when left outside overnight .

.....

(b) Why should metallic tools at home be kept in a cool dry place?

.....

(c) Apart from storage, mention two ways of caring for metallic tools at home.

(i)

(ii)

47(a) Give **one** way in which burns and scalds are:

(i) similar

.....

(ii) different

.....

.....

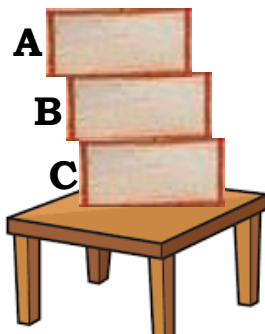
(b) State **one** way of preventing burns and scalds at home.

(i)

(c) Why is it not good to apply cooking oil or butter on a burn?

.....

48. The diagram below shows 3 bricks placed on top of each other. Use it to answer questions that follow.



(a) Which letter shows the brick with the highest potential energy?

.....

(b) Give a reason for your answer in **(a)** above.

.....

(c) Apart from the one shown in the diagram, state another factor that affects the potential energy of an object.

.....

(d) Which form of energy will be produced if brick A falls on the table?

.....

49(a) State **two** properties of light .

(i)

(ii)

(b) Give any **two** importance of light in the environment.

(i)

(ii)

50(a) State the role of a string in finding the volume of an irregular shaped object.

.....

(b) Give **two** ways of ensuring that accurate volume of an irregular shaped object is found when using an overflow can.

(i)

(ii)

(c) How does freezing affect the volume of liquids?

.....

51(a) Which element of P.H.C is promoted through:

(i) sensitising people about good health habits?

.....

(ii) going for antenatal care?

.....

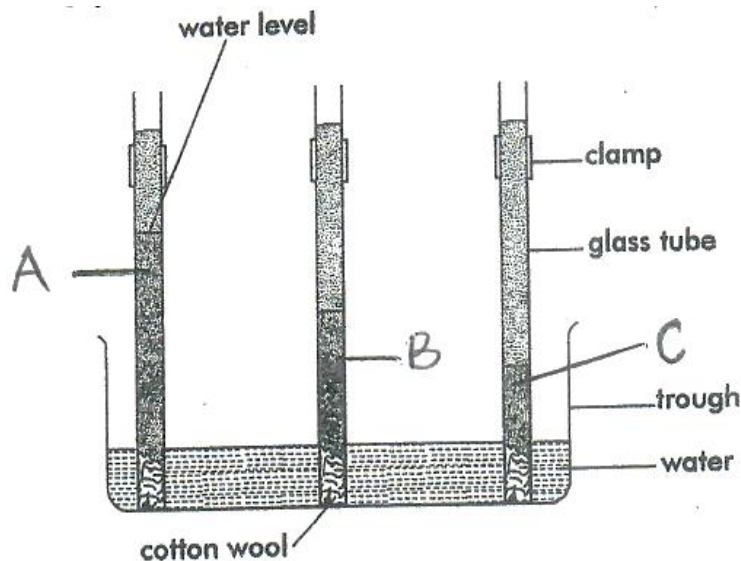
(b) Give **two** activities done at a family level to promote P.H.C.

(i)

(ii)

52. The diagram below shows an experiment about soil capillarity.

Use it to answer questions that follow.



(a) Which letter shows clay soil ? _____

.....

(b) Give a reason to support your answer in (a) above .

.....

.....

(c) State **two** practices that can be done to soil marked **C** to improve it for crop growing.

(i)

(ii)

53(a) Mention **two** types of germs that can make food to go bad .

(i)

(ii)

(b) Give **two** ways of preventing the dangers of germs on food.

(i)

(ii)

54(a) Mention **one** kind of information included in a drug prescription.

.....

(b) State **two** dangers of taking unprescribed drugs.

(i)

(ii)

(c) How can the government ensure that all people take prescribed drugs whenever they are sick.

.....

55. Complete the table about mixtures below correctly.

MIXTURE	NATURE	METHOD OF SEPARATION
Sand and salt	solid mixture	(i)
Kerosene and water	(ii)	use of separating funnel
(iii) and (iv)	solid mixture	magnetic separation



END