

SECTION A

Questions 1 to 40 carry one mark each.

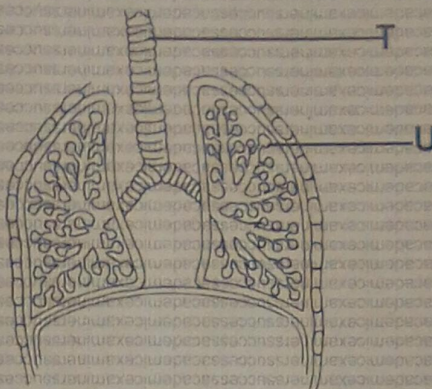
1. Name any **one** cutting tool that makes up a first aid kit.

2. Write down any **one** activity done during hardening off of seedlings.

3. State the main product got from Orpington and Rhode Island Red.

4. What is demography?

The diagram below shows a respiratory system. Use it to answer questions 5 and 6.



5. Which role does part marked T play in the above system?

6. How is part marked U able to perform its functions?

7. Why should stem cuttings for planting have many nodes?

8. Apart from providing rain and cooling the environment, how else are clouds useful to us?

9. Give any one reason why muscles of the heart are grouped under involuntary muscles.

10. What first aid can you give to a person who has drunk paraffin?

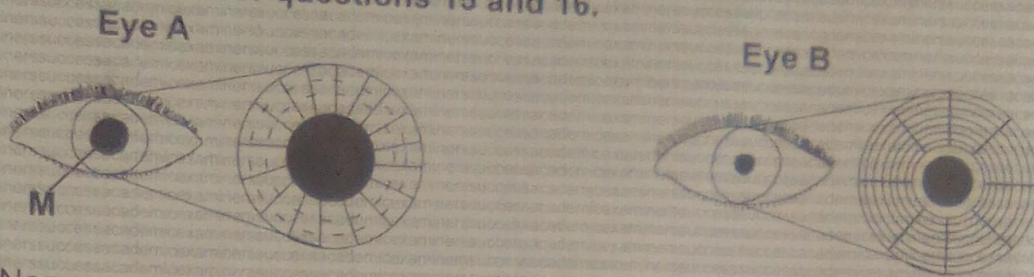
11. How can a P.6 boy protect his sister from getting pregnant?

12. Write down any **one** activity carried out in child-to-child programme.

13. What type of immunity does a child get after receiving DPT vaccine?

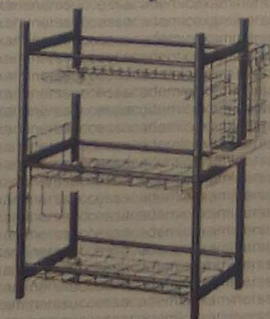
14. How is the cotyledon of a maize grain different from that of a bean seed?

The diagram below shows the state of the eye in different conditions of light. Use it to answer questions 15 and 16.



15. Name part marked **M** on **Eye A**.
16. Which of the two eyes is in dim light?
17. Why should Ugandans be encouraged to keep Aberdeen Angus not Zebu cattle?
18. Mention any **one** disease caused by worms to people.
19. Give **one** reason why we should always wear shoes while walking in moist places.
20. Why shouldn't an apiary be started near a school?
21. How can pitch of sound produced by a tube fiddle be changed?
22. Mention the way through which effort can be reduced when using a wheelbarrow to carry a bag of posho.
23. How can the effect of lightning be prevented?
24. Why are double silvered walls of a thermos flask able to prevent heat loss or gain?

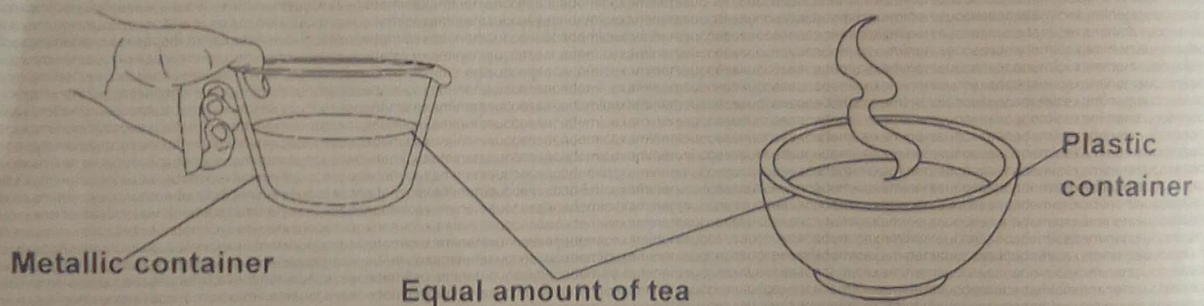
The diagram below shows a sanitary item. Study it and answer questions 25 and 26.



25. Name the above item.
26. Why is the above item raised above the ground?
27. Give any **one** example of nitrogenous waste eliminated from our bodies.

28. Why should bush burning be discouraged as a way of clearing land?
29. State any **one** source of sugar used in fermentation method of producing alcohol.
30. Why should food for elders be softened?
31. Name the solid structure at the joint that helps to reduce friction.
32. Give the reason why a hard material should be put in the mouth of a victim of convulsion.
33. Why should every family try to feed its members on a balanced diet?
34. How do ball bearings reduce friction on moving surfaces of machines?

The diagram below shows two containers holding equal amount of hot tea. Use it to answer questions 35 and 36.



35. In which container will tea cool faster?
36. Give a reason to support your answer in 35 above.
37. How are gill bars useful on the gills of fish?
38. Give any **one** reason why clean water got through decantation is not safe for drinking.
39. State the reasons why married couples should go for treatment together in case one of them got gonorrhea.
40. Write down any **one** cause of truancy in the community.

SECTION B

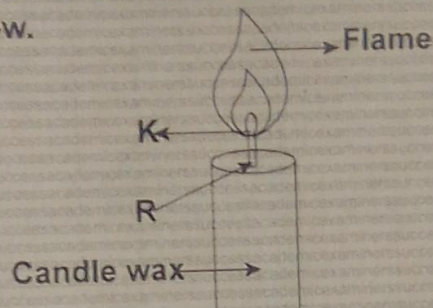
41. a) Write down any one characteristic of essential drugs.

 b) State any one factor that can make essential drugs dangerous to our health.

 c) Give any one example of drug of dependence.

 d) Why do some people abuse drugs?

The diagram below shows a burning candle wax. Study it and answer the questions that follow.



42. a) Name the part marked K.

 b) What fuel is used in the diagram above.

 c) How is the use of candle wax for lighting dangerous in our homes?

 d) State the type of changes in the environment that occurs in part marked R.

43. a) State any two waste products that are eliminated from the body by both the kidneys and skin.
 i) _____
 ii) _____
 b) How do waste products affect the body if they are not removed from the body?

 c) State any one way of caring for the kidneys.

44. a) Give any one reason why people eat food.

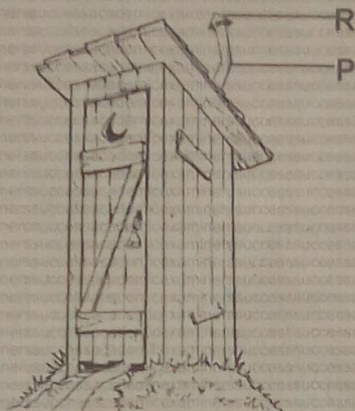
 b) Mention the group of fungi that contaminate food.

 c) How does each of the following preserve food?
 i) Smoking

ii) Freezing

45. a) Name any **one** chemical change that occurs in living things.
- b) State **two** ways through which physical changes can be useful to man.
- i) _____
- ii) _____
- c) In which way are biological changes similar to chemical changes?
- _____

The diagram below shows a type of latrine. Use it to answer the questions in number 46.



46. a) What makes the above type of latrine different from an ordinary pit latrine?
- b) Name the part marked R.
- c) State the function of part marked P.
- d) Why are we discouraged from putting the lid in above type of latrine?
47. a) Name the teeth disease people get due to:
- i) poor personal hygiene
- ii) lack of vitamin C
- b) State any **one** problem caused by improper growth of teeth in the jawbone.
- c) How can we promote oral health?

48. Given a piece of cloth, a pinch of tea leaves, a transparent heating vessel, water and a source of heat.

State four steps that you can use to prove that heat travels through liquid by convection.

i) _____

- ii) _____
 iii) _____
 iv) _____
49. Given the list of plants below. Algae, Horsetails, Cypress and Mosses.
- Apart from having chlorophyll and making their own food, state any **one** characteristic common to all the above plants.

 - Give **one** way cypress is different from the other plants in the list.

 - Mention **one** way in which cypress can be useful to man.

 - Write down any **one** other plant that can be grouped with those given in the list.

50. a) Name any of the two bones that form the wrist joint.
 i) _____
 ii) _____
- b) How are joints useful in our bodies?

- c) State the role played by each of the following at a joint.
 i) tendon _____
 ii) ligament _____

51. Match the following correctly.

Elements of PHC

- First aid
- Water and sanitation
- Food and nutrition
- Control of communicable diseases

Importance of each

- Controls deficiency diseases
 Reduces multiplication of vectors
 Saves lives
 Controls diarrhoeal disease

- First aid _____
- Water and sanitation _____
- Food and nutrition _____
- Control of communicable diseases _____

The diagram below shows the beaks of three different birds. Use it to answer the questions in number 52.



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52. a) What does the bird marked **K** feed on?

 b) In which environment is the bird marked **L** found?

 c) Give the importance of the beak marked **M** to the bird apart from feeding.

 d) How is the bird marked **L** able to feed?

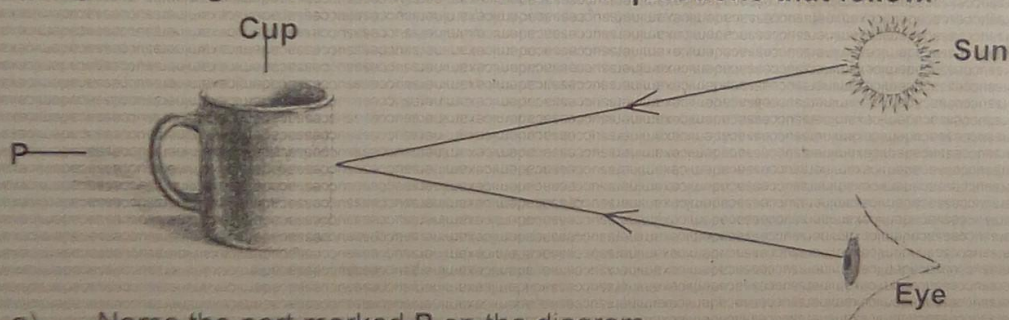
53. a) State the way each of the farming practices below helps to improve soil fertility.
 i) Crop rotation

 ii) Addition of urea in the soil.

 b) Give any one way how organisms that live in the soil help in soil formation.

 c) How is the use of manure better than the use of artificial fertilizers?

Study the diagram below and answer the questions that follow.



54. a) Name the part marked **P** on the diagram.

 b) If the eye received colour Red, what is the colour of the cup?

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

 d) Mention **one** optical instrument that uses the property of light above to function.

55. a) Write down any **two** examples of health concerns in the community
 i) _____
 ii) _____
 b) Give any **two** ways of addressing health concerns in the community.
 i) _____
 ii) _____