

SECTION A (40 MARKS)

1. Identify any one example of a physical change.

2. Why should a pupil wash hands after latrine use?

3. How do plants benefit from animals during photosynthesis?

4. Name the form of energy an orange settled on ground has.

5. When a coin of hundred shillings is dropped into a glass of pure water, it appears bigger and near the top. What causes that?

6. Why do farmers need loam soil?

7. How can soil erosion be prevented in a school compound?

The diagram below is of a plant seed, use it to answer questions 8 and 9.



Plant seed.

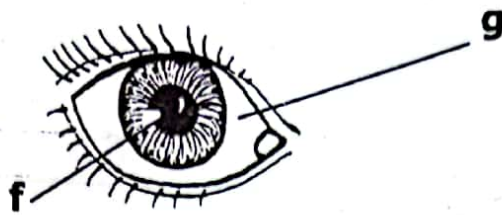
8. How is the above seed represented in the diagram dispersed?

9. Give a reason to support your answer in number 8.

10. How can bilharzia disease be controlled?

11. What state of matter is mercury?
12. How can drugs be misused?
13. Identify any one way of keeping drugs safe.
14. Show any one advantage for keeping poultry on a free range system.
15. Why is harvesting honey using fire discouraged?
16. How does a spider trap its prey?
17. In the space provided below, draw a leaf structure which is common in monocots.
18. What does too much sweating without drinking water or juice lead to?
19. How can snake bites be reduced or prevented at school?
20. What first aid can be given to a person whose toe has been bitten by a snake?
21. Name the gas with the biggest percentage on the earth's atmosphere.
22. Why do you think carbon dioxide is used in a fire extinguisher?

The diagram below belongs to a human eye. Use it to answer questions 23 and 24.



23. Name the structure labelled **g**.

24. What happens to structure marked by **f** when a torch is flashed in one's eye?

25. How can a Doctor in a hospital make use of a magnet?

26. Identify any tool that uses a magnet in your home.

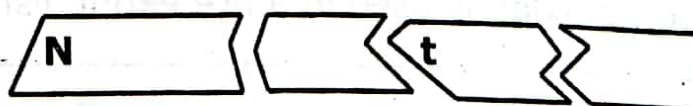
27. How can you prevent your eyes from being attacked by Trachoma?

28. Why do you think children are always taken for immunisation?

29. What is the similarity between sweating in humans and transpiration in plants?

30. Mention any one practice which should be done in order to reduce chances of getting Covid- 19 virus.

The diagram below shows a broken bar magnet. Use it to answer the question that follows.



31. Name the pole of magnet marked by letter **t**.

32. How can oil be used to control the spread of malaria?

33. Identify the vector for plague.

34. How is a mushroom similar to a liver wort?

35. Why is it advisable for young girls not to get pregnant?

36. How can the **S.T.D** that attacks the eye of the unborn baby be avoided?

37. Of what use are earth worms to farmers?

38. How does mulching improve on soil fertility?

39. What causes tooth decay?

40. How can you avoid being a passive smoker?

SECTION B (60 MARKS)

41. (a) Name the disease in cattle which is associated with tsetse flies.

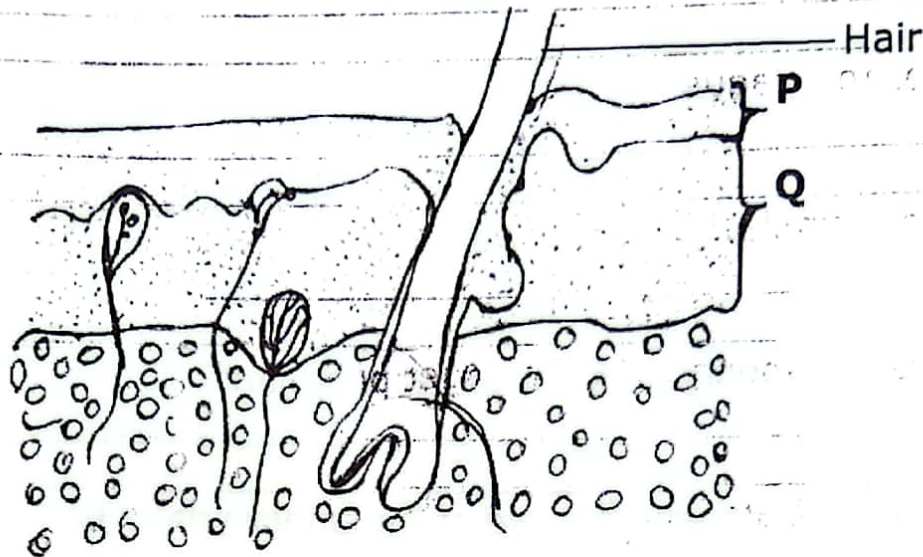
(b) Suggest any two ways of controlling tsetse flies.

(i)

(ii)

(c) Name any one parasite in cattle.

The diagram below is of a human skin. Use it to answer question 42.



42. (a) Name the parts marked **P** and **Q**.

(i) **P** _____

(ii) **Q** _____

(b) Of what importance is the skin to the human body?

(c) How can you keep your skin healthy?

43. (a) Write any two methods farmers use to control soil erosion.

(i) _____

(ii) _____

(b) How does each of the methods you have named above control soil erosion?

(i) _____

(ii) _____

44. (a) Smoking tobacco is very dangerous to human life. How does it affect:

(i) A person in Karamoja?

(ii) A pregnant mother?

(b) Write any two dangerous substances found in tobacco.

(i) _____

(ii) _____

45. (a) Apart from white blood cells and red blood cells, name any other two blood components.

(i) _____

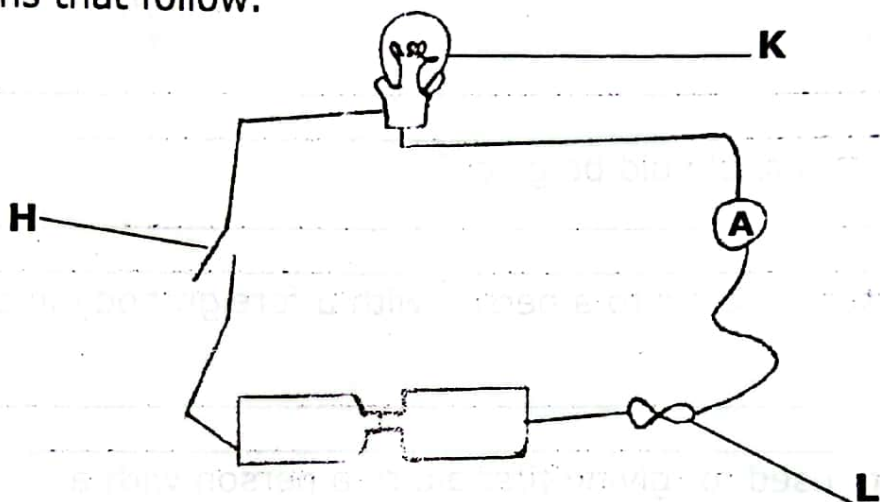
(ii) _____

(b) What is the function of each blood component you have named above?

(i) _____

(ii) _____

46. The diagram below represents an electric circuit. Use it to answer the questions that follow.



(a) Name the part labelled **L**.

(b) Identify any one material used as an insulator.

(c) (i) What happens to **K** when **H** is closed?

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

47. (a) Name the type of change that occurs when a panga rusts.

(b) Give any two ways you would apply to prevent a panga from rusting.

(i) _____

(ii) _____

(c) Identify any one effect of rusting to a panga.

48. (a) In a human body, what systems are responsible for the following processes?

(i) Food absorption.

(ii) Fertilization.

(iii) Blood filtration.

(b) How can the heart be kept healthy?

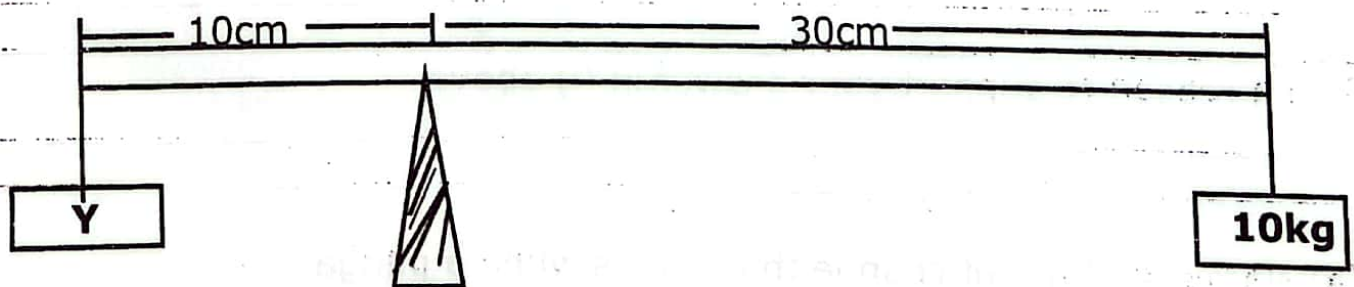
49. (a) What is first aid?

(b) Why do you think first aid should be given?

(c) How do you administer first aid to a person with a foreign body in the eye?

(d) Identify any one tool used for giving first aid to a person with a fractured leg.

50. The diagram below represents a simple machine. Use it to answer the questions that follow.



(a) To which class of levers does the above machine belong?

(b) If the machine balances, calculate the weight marked by Y.

51. (a) What name is given to the instrument used to measure the human body temperature?

(b) Of what use is a kink which is found on the instrument tube?

(c) Covert 34° Celsius to degrees Farenheit.

52. (a) Why should fish be preserved in Uganda?

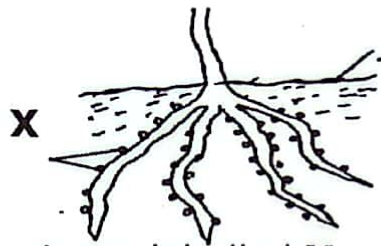
(b) Give any two ways how fish can be locally preserved in Uganda.

(i)

(ii)

(c) How can fish be preserved in a modern way?

53. The diagram below shows the roots of a leguminous plant. Study and use it to answer the questions that follow.



(a) Name the structures labelled X.

(b) What do the structures named above contain?

(c) Identify any one plant with such roots.

(d) Of what benefit is the food produced by legumes to the body?

54. (a) Give any two ways how water sources can be polluted.

(i) _____

(ii) _____

(b) State any two ways how water sources can be protected from pollution.

(i) _____

(ii) _____

55. (a) Identify any one breed of rabbits you know.

(b) What is the advantage of keeping rabbits?

(c) Write any one product from rabbits.

(d) What do rabbits feed on?

END