



SECTION A (40 marks)

1. How does gonorrhea infection increase the chance of a person getting HIV/AIDs?

2. Give the difference between river blindness and night blindness.

3. How does mulching help to keep moisture in the soil?

4. Give the difference between predator and scavenger.

The diagram below shows a fracture, use it to answer question 5.



5. Why should a person who has got such an accident be discontinued from walking?

6. In which way does a skeletal system benefit the circulatory system?

7. A piece of paper and a rubber were dropped from the same height. A rubber reached on the ground first. Why did the rubber reach the ground first before the piece of paper?

The diagram below is of a housefly. Use it to answer question (8) and 9.



8. Identify one way in which the above organism is useful in the environment.

9. Why do houseflies lay their eggs on rotting matter?

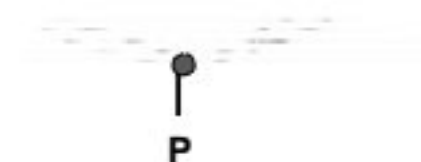
10. How is a bean seed able to absorb air and water?

11. State one way in which a maize plant is able to avoid self-pollination.

12. Apart from synovial fluid, how else can friction be reduced at the joint in the body?

13. By what process do plants absorb water and mineral salts from the soil?

The diagram below shows a simple machine, Use it to answer question 14 and 15.



14. To which class of simple machines does the above machine belong?

15. With the help of arrows and letter **E** , show the position of effort.

16. How do trees help in the purification of environment?

17. Name the insect vector that spreads a disease caused by virus.

18. Why are pregnant women advised not to smoke?

19. Why is the moon not regarded as a source of light?

20. How do the silvery walls of the vacuum flask reduce heat loss?

21. Which disease is spread by rats to humans?

22. How is the use of solar energy friendly to our environment?

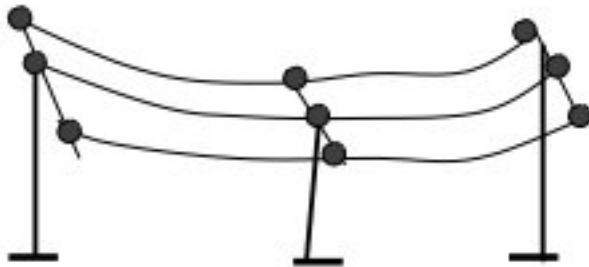
23. Apart from the head, name the other main body part of a spider.

24. Name the vaccine given to children after 270 days from birth.

25. How is the function of pulmonary vein different from other veins?

26. Identify any one group of birds with strong and hooked beak.

27. Why is the trachea open all the time?

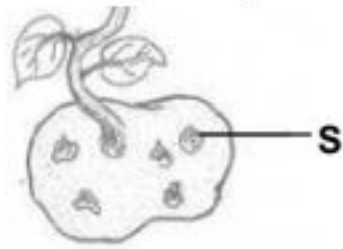


28. For what reason do the above wires loosely fixed?

29. Why shouldn't fruits be cooked before eating?

30. Mention the disease which makes a person to pass out watery stool with blood.

The diagram below is of an Irish potato tuber. Use it to answer question 31.



31. By what means does the above plant propagate?

32. Why is the immunization of children carried out free of charge in Uganda?

33. Why are Whales able to live comfortably in cold water?

34. In which one way are beans similar to conifers in terms of their reproduction?

35. To which group of simple machines does a ladder leaning against a wall belong?

36. Why should garden tools be kept in cool dry place?

37. What is the importance of dipping cattle?

38. Which condition in babies is shown by sunken soft on the head?

39. How does an amoeba move?

40. Give the similarity in function between the eggshell and ribcage.

SECTION B **(60 marks) (Questions 41 to 55 carry four marks each)**

41a) Name any two agents of soil erosion.

(i) _____

(ii) _____

(b) How do trees stop soil erosion?

(c) How does tree cutting in an area lead to soil erosion?

42. The table below shows part of child immunization card. Use it to answer questions that follow.

1	2 Date of Immunization		3
BCG	12/8/88		
POLIO	11/8/88	16-12-88	13 – 01- 89
DPT	11/8/88	16-12-88	13 – 01- 89
MEASLES	09/5/89	COMPLETED	

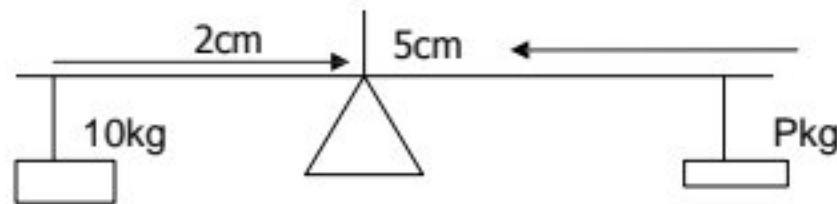
(a) When was the child born?

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

(c) At what age was the immunization completed?

(d) Give a reason for the above.

43.



Calculate the weight at **P**.

44. (a) What do you understand by “dual purpose cattle”?

(b) Give any two common local breeds of cattle kept in Uganda.

- (i)

- (ii)

(c) Suggest any one reason why cattle keepers practice cross breeding.

45. The diagram below is of an electric circuit, Use it to answer questions that follow.



a) Name the part marked Y and Z.

- (i) Y
- (ii) Z

(b) What will happen to part **Z** when **Y** is closed?

(c) Give a reason for your answer.

46. The table below shows food stuff prepared in different families. Study it and answer the questions that follow.

Family A	Family B	Family C	Family D
Matooke	Cassava	Potatoes	Millet
Yams	Beans	Posho	Fish Goat
Meat	Posho	Cassava	milk
Beans	Yams	Yams	Mangoes

- a) Which family has proteins but lacks fats?

- (b) What food nutrients are lacking in family A?

- (c) Which family has almost a balanced diet?

- (d) What advice can you give to a parent with a child suffering from marasmus?

- 47a) Why is it a bad practice to apply soil or cow dung on any burnt area of our skin?

- (b) Suggest any two reasons why the part with a burn or scald is dipped into cold water.
- (i) _____
- (ii) _____
- (c) Give any one way of avoiding burns while lifting hot objects.

48. The diagram below is of a food chain. Use it to answer questions.

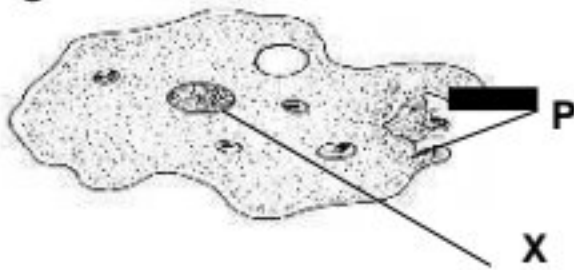


- a) Name the producer.

- (b) Which living organism in the diagram is herbivorous?

- (c) Mention any two ways in which plants benefit from goats.
- (i) _____
- (ii) _____

49. The diagram below is of an amoeba. Use it to answer questions.



a) What kind of organism is an amoeba?

(b) Name the structure marked **P** and **X**.

(i) **P**

(ii) **X**

(c) How does an amoeba reproduce?

50(a) What is meant by the term silting?

(b) Apart from killing fish, how else does silting affect fish?

(c) List any two major causes of silting.

(i)

(ii)

51a) Give any two conditions in which women are vulnerable.

(i)

(ii)

(b) State any two ways in which family members can care for vulnerable women.

(i)

(ii)

52(a) Apart from respiratory gases and body wastes, name any other two materials carried in blood.

(i)

(ii)

(b) Name the component of blood which transports oxygen in the body.

(c) Write HIV in full.

53a) Mention one reason why copper wires are commonly used to distribute electricity from one point to another.

(b) How do rubber gloves prevent electric shock?

(c) State two reasons why a brand new bulb may fail to work in a torch.

(i)

(ii)

54a) Give one habit that may lead to contracting AIDs by individuals.

(b) Suggest the best way of controlling the spread of AIDs.

(c) Identify any one STI that causes barrenness in females.

(d) How does a condom reduce the risks of getting AIDs?

55. (a) Apart from being forms of energy, how is sound similar to heat?

(b) State any two ways of storing sound.

(i)

(ii)

(c) Give the difference in sound produced between high vibration and low vibration.

END