



THE REPUBLIC OF UGANDA

ADJUMANI PRIMARY SCHOOLS

HEADTEACHERS' ASSOCIATION

PRIMARY LEAVING MOCK EXAMINATION, 2024

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Random Number						Personal Number		

Candidate's Name:

Candidate's Signature:

School Emis No:

District:

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

Read the following instructions carefully:

1. This paper is made up of two Sections: A and B.
2. Section A, has 40 short-answer questions (40 marks).
3. Section B has 15 questions (60 marks).
4. Answer **ALL** questions. All answers to both Sections A and B **MUST** be written in the spaces provided.
5. All answers **MUST** be written using a blue or black ball-point pen or ink. Diagrams should be drawn in pencil.
6. Unnecessary alteration of work may lead to loss of marks.
7. Any handwriting that cannot easily be read may lead to loss of marks.
8. Do not fill anything in the box indicated "For examiners' use only" and those inside the question paper.

FOR EXAMINER'S USE ONLY		
Qn. No.	Marks	Exrs' No.
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

Turn Over

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SECTION A: (40 Marks)

Questions 1 to 40 carry one mark each

1. Which part of a bean seed protects the inner parts?

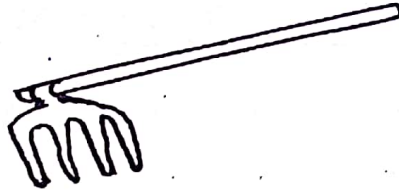
2. Name the body part used in 4Fs germ path.

3. State the static electricity in nature.

4. Name the vaccine administered orally to babies.

5. How are animal hides useful to people?

Below is a garden tool, use it to answer question 6 and 7.



6. Name the garden tool above.

7. How useful is a garden tool drawn and named above?

8. Why is the volume of a stone got by using the displacement method?

9. State any **one** disorder of the skin.

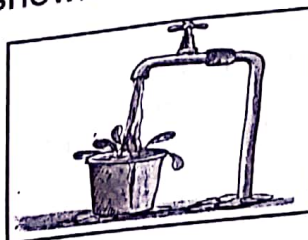
10. To which type of machine does a wheelbarrow belong? ☐

11. Give any **one** component of the circulatory system.

12. State **one** man made change in the environment.

13. Give **one** basic need of a good home.

14. How can the item shown below help to promote proper sanitation in the community?



15. Which part of air is needed for burning to take place?

16. Name any **one** good management practice that can help control the spread of poultry diseases.

17. How is a rubbish pit useful in the lifecycle of a housefly?

18. Why does a medical doctor prescribe drugs to a patient?

19. Apart from deworming, write **one** way the spread of tape worm infestation can be controlled.

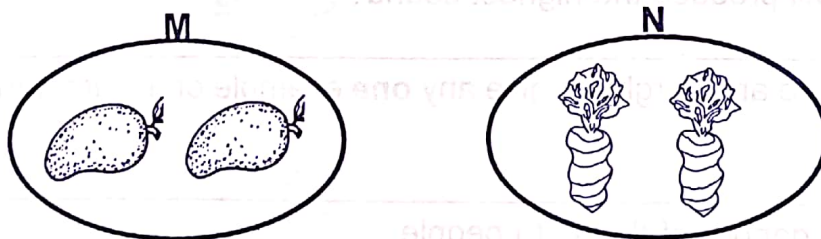
20. Which plant response is that when the roots grow towards water source or moisture? ☐
21. State any **one** step taken by people to administer first aid to a poisoning casualty.

22. Which external of a goat is used for protection?

23. Which method of soil formation involves breaking of rocks into smaller particles?

24. Name the renewable resource which is a source of tidal energy.

Below are diagrams showing food stuffs M and N. Study and use them to answer question 25 and 26.



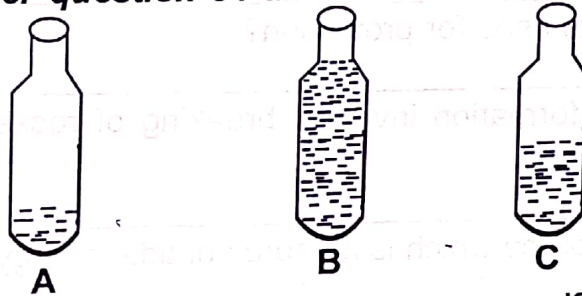
25. Which deficiency disease is controlled by eating the food stuff labelled with letter **N**?

26. How is the food stuff labelled with letter **M** important to our body?

27. Why does water got from decanting need to be boiled before drinking?

28. How is blinking important to the eye?
29. Give any **one** way how a primary seven pupil avoids teenage pregnancy.
30. Name the groups of mammals with a well developed brain. ☐
31. Name the narrow muscular tube which leads food from the mouth to the stomach.
32. Apart from twins, name **one** other types of multiple births.
33. How do frogs help to control malaria in the environment?

The diagram below shows bottles of the same size but with different amount of water in them. Study and use them to answer question 34 and 35.



34. Which bottle will produce the lowest sound?
35. Which bottle will produce the highest sound?
36. Apart from maize and sorghum, give any **one** example of a plant with prop roots.
37. State any **one** danger of floods to people.
38. What type of skeleton is found in worms?
39. Indetify any **one** place where bacteria are found in our environment.
40. How is transpiration important to a plant apart from cooling it? ☐

SECTION B: (60 Marks)

Questions 41 to 55 carry four marks each.

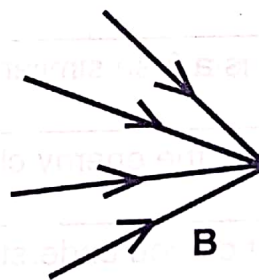
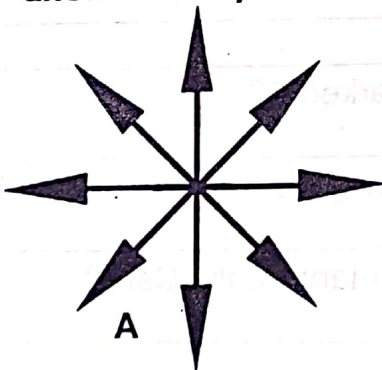
41. Which part of the skeletal system protects:-
- (a) The heart and the lungs?

 - (b) The brain?

 - (c) The spinal cord?

 - (d) The reproductive organs?

42. (a) State any **two** examples of water pollutants.
(i) _____
(ii) _____
- (b) Mention any **two** ways of controlling water pollutants.
(i) _____
(ii) _____
43. (a) Name the group of arthropods to which the following animals belong.
(i) Ticks _____
(ii) Houseflies _____
(iii) Centipede _____
- (b) How is a tick different from a housefly in terms of breathing? ☐
44. **The diagrams below show light energy. Use them to answer the questions that follow.**



- (a) Which property of light is shown in A above?

- (b) Name the type of beam represented by letter B.

- (c) In which **two** ways are light useful in the environment?
(i) _____
(ii) _____

45.

The table below shows ways through which organisms regulate their body temperature. Match the organisms in List A to their mode of regulating body temperature in List B correctly.

<u>A organism</u>	<u>B How they cool themselves</u>
Dogs	By sweating
Plants	Through transpiration.
Human beings	By gular fluttering.
Doves and owls	By panting.

(a)

Dogs

(b)

Plants

(c)

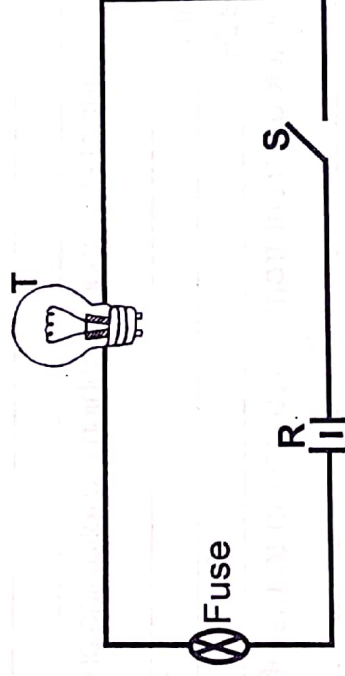
Human beings

(d)

Doves and owls

46.

Below is a simple electric circuit. Study it carefully and use it to answer the questions that follow.



(a)

Name the part marked T and R.

T

R

(b)

Why is a fuse similar to part marked S?

(c)

Identify the energy changes taking place at part marked R.

47. (a)

What do you understand by Primary Health Care?

(b)

State any **two** principles of Primary Health Care?

(i)

(ii)

(c)

What element of PHC is intended to eradicate childhood immunisable diseases?

48. (a) State **one** advantage of keeping our body clean.

(b) Mention **three** things used to clean our bodies.

(i)

(ii)

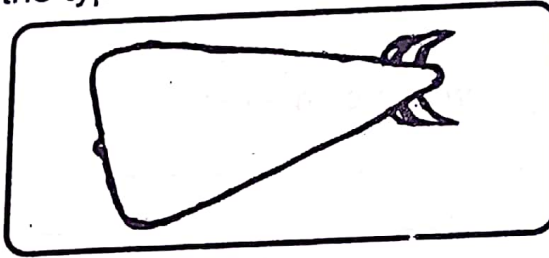
(iii)

49. (a) Name any **two** types of cattle.

(i)

(ii)

(b) Identify the type of cattle with the body conformation below.



(c) Write the type of cattle kept for meat production.

50. (a) Write down any **two** secondary changes that take place in both boys and girls.

(i)

(ii)

(b) State any **two** problems caused by adolescence to adolescents.

(i)

(ii)

(a) What causes fainting?

(b) Give **two** conditions that lead to fainting.

(i)

(ii)

(c) How would you assist a person who has fainted?

52. (a) Which group of vertebrates do the animals below belong?

(i) Lizard _____

(ii) Whale _____

(b) Give **two** examples of scratching birds.

(i) _____

(ii) _____

53. (a) Apart from being used as food, give other **one** way in which honey is useful to people.

(b) Identify **one** way in which bee wax is used in industries.

(c) Give **one** way in which plants benefit from bees.

(d) Identify any **one** agent of pollination.

54. (a) Why should our clothes and beddings be ironed?

(b) Suggest **two** things you can do to avoid sickness.

(i) _____

(ii) _____

(c) Mention the insect likely to be found in your clothes if they are not kept clean.

55. (a) Which part of the following plants do we eat.

(i) Sugarcane _____

(ii) Tomato _____

(b) State **two** ways plants benefit from animals.

(i) _____

(ii) _____

END