THE REPUBLIC OF UGANDA

TAAND EXAMINATIONS BOARD

CONTINUOUS ASSESSMENT EXAMINATION TERM I, 2023

PRIMARY SIX

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Name: .....

Signature: .....

School: .....

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. Only diagrams should be done 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**"

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		

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SECTION A: (40 Marks)

Questions 1 to 40 carry one mark each.

1. Name the gas which supports burning.

2. Identify the force which pulls down objects towards the centre of the earth.

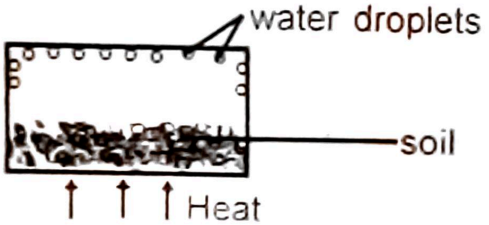
3. Give **one** example of a fungus.

4. Name **one** common accident at **home**.

5. Why does a chameleon change its colour to that of the surrounding environment?

6. Mention **one** activity done to promote oral health.

7. What does the experiment below prove about soil?



8. Identify the type of weather needed for winnowing cereals.

9. Write PHC in full.

10. Name **one** example of social insects.

11. Write down any **one** component of a first aid kit.

12. Give **one** characteristic of living things.

13. **How** is a canine tooth adapted to its function?

14. What type of mechanical energy does a boy possess when standing in class?

15. Besides cassava, give **one** other example of a root crop.

16. Which vaccine is administered as drops in the mouth?

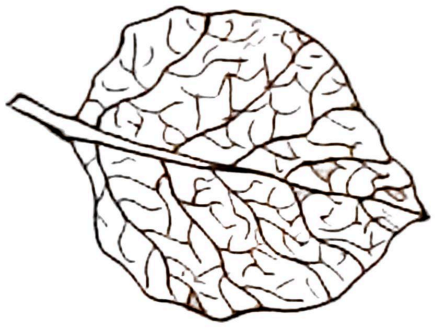
17. Name the roots which enable a maize plant to get extra support.

18. Suggest **one** way of controlling weeds in a garden.

19. Convert $15^{0}C$ to ^{0}F.

20 Name **one** condition needed for germination to take place

21. What type of leaf venation does the leaf below have?



22 Why should we sanitize our hands?

23. Write **one** reason why fire extinguishers are painted with bright colours.

24. Why does a coin sink when put in water?

25. Name **one** material used for mulching.

26. Which vector spreads malaria to humans?

27. What name is given to seeds with two cotyledons?

28. What term is given to the act of giving birth in pigs?

29. Give **one** example of a perennial crop

30. Why are houseflies called insects?

31. What is the best food for newly born babies?

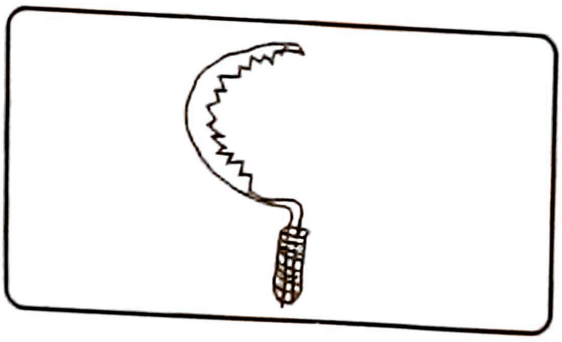
32. Name any **one** natural source of water.

33. Write down any **one** cause of swarming in bees.

34. Define the term immunity.

35. Give any **one** component of soil.

36. Name the garden tool below.



37. Where does digestion end in the alimentary canal?

38. What do we call a group of young rabbits born at the same time by the same mother?

39. How do bacteria reproduce?

40. Name **one** crop pest that destroys stored crops.

SECTION B:(60 Marks)

41. (a) What is heat?

_____

_____

(b) Give **two** methods of heat transfer in matter.

(i) _____

(ii) _____

(c) Mention **one** use of heat in our homes.

_____

42. (a) Who are vulnerable groups of people?

_____

(b) State **two** groups of vulnerable people.

(i) _____

(ii) _____

(c) Mention **one** advantage of breast feeding to a mother.

_____

43. (a) Write down **two** types of soil erosion.

(i) _____

(ii) _____

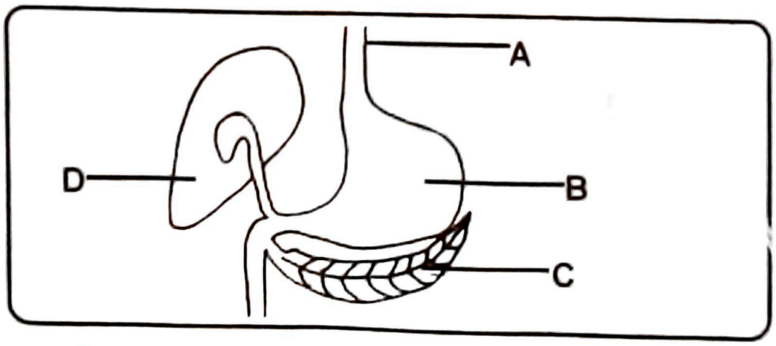
(b) Suggest **one** way farmers in hilly areas control soil erosion.

_____

(c) How does bush burning lead to soil erosion?

_____

44. ***Below is a diagram showing part of the digestive system. Use it to answer questions that follow.***



(a) Name the parts labelled **A** and **D**.

A _____

D _____

(b) How useful is the acid produced by organ **B** during digestion?

_____

(c) Mention **one** disorder of the above system.

_____

45. (a) What is mulching?

_____

_____

(b) Write **two** examples of mulches.

(i) _____

(ii) _____

(c) State **one** reason why farmers mulch their gardens.

_____

46. (a) Mention any **two** adantages of deep litter system.

(i) _____

(ii) _____

(b) Name **two** materials used as litter in a poultry house.

(i) _____

(ii) _____

47. (a) State **two** examples of intestinal worms.

(i) _____

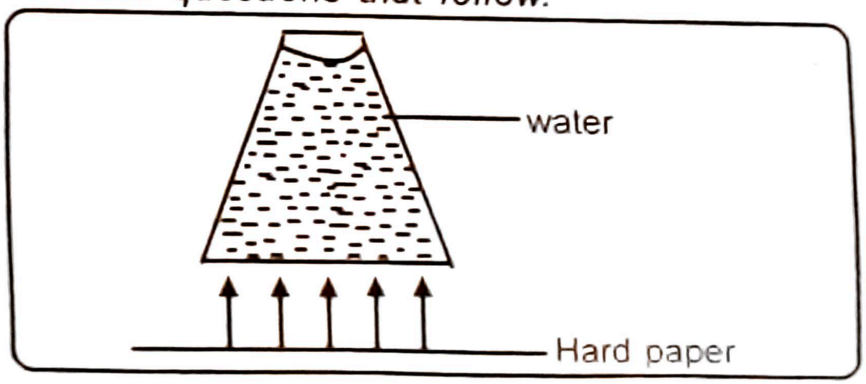
(ii) _____

(b) Suggest **two** ways of controlling intestinal worms.

(i) _____

(ii) _____

48. ***Below is a diagram showing a property of air. Use it to answer questions that follow.***



(a) Write the property of air shown in the diagram above.

_____

(b) Apart from the above property, mention **one** other property of air.

_____

(c) Which gas occupies 21% of air in the atmosphere?

_____

(d) State any **one** use of the gas you have mentioned in (c) above to people.

_____

9 (a) What are chemical changes?

_____

_____

(b) List down **two** examples of chemical changes in the environment.

(i) _____

(ii) _____

(c) State any **one** characteristic of chemical changes.

_____

50. (a) Give the method of finding volume of a stone.

_____

(b) Why do objects float on water?

_____

(c) Calculate the density of a stone whose mass is 45g and volume of 15cc

(2marks)

51. ***Match the components of soil in A with their uses in B.***

A	B
water	helps organisms to breathe.
air	dissolves nutrients in the soil.
organisms	provides plant nutrients.
humus	aerate the soil.

(a) water _____

(b) air _____

(c) organisms _____

(d) humus _____

52. (a) How does yeast reproduce?

_____

(b) Give **one** example of useful bacteria

_____

(c) Mention **two** dangers of harmful bacteria to people.

(i) _____

(ii) _____

53 (a) What name is given to the larva stage of a ;

(i) Mosquito? _____

(ii) Housefly? _____

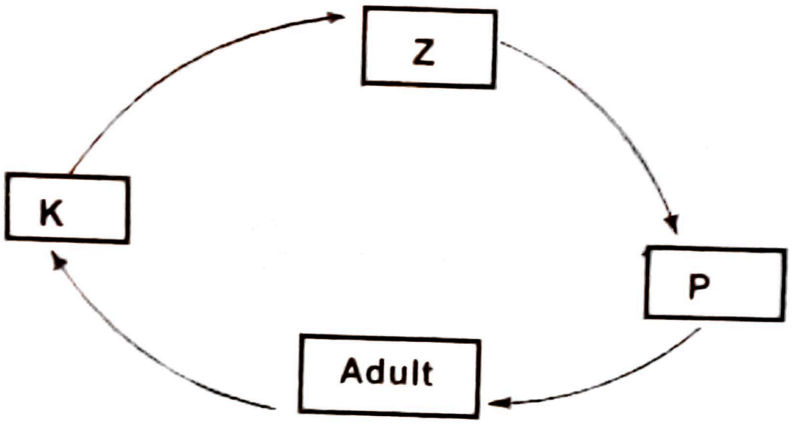
(b) Why is a housefly regarded as a vector?

_____

(c) Which immunisable disease is spread by a mosquito?

_____

54. ***The illustration below shows a lifecycle of an insect. Use it to answer questions that follow.***



(a) What type of life cycle is shown above?

_____

(b) Name the stage marked **Z**.

_____

(c) Why is stage **P** said to be dormant?

_____

(d) Name **one** insect which undergoes the above type of life cycle

_____

55. (a) What is photosynthesis?

_____

_____

(b) Why does the process above only take place during day time?

_____

(c) Mention **one** raw material for photosynthesis.

_____

(d) What gas do plants give out when making food?

_____

END