

PRIMARY LEAVING MOCK 2023

INTEGRATED SCIENCE

Time allowed: 2 hours 15 minutes

Index No. :

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|-------------|--|--|--|--|--|--------------|--|--|
| School EMIS | | | | | | Personal No. | | |
| | | | | | | | | |

Candidate's Name :

Candidate's Signature :

School Name :

Parish Name :

Read the following instructions carefully:

1. The paper has **two** sections: **A** and **B**
2. Section **A** has 50 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 crossing of work may lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Do **not** fill anything in the boxes indicated;

FOR EXAMINER'S USE ONLY

| Qn. No | MARK | SIGN |
|---------|------|------|
| 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 any **one** group of organisms involved in soil formation.

.....

2. How can parents protect their children against Kwashiorkor?

.....

3. What is the importance of a shade on a nursery bed?

.....

4. State **one** way in which plants depend on animals in the environment.

.....

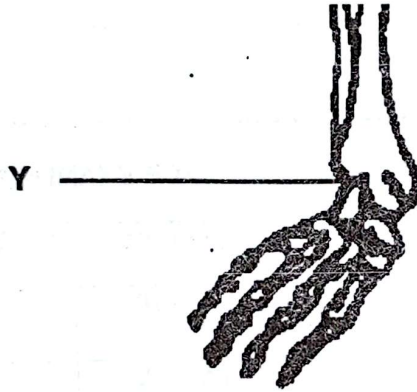
5. Of what function are flowers to a plant?

.....

6. Write any **one** principle of Primary Health Care.

.....

The diagram below shows part of the human skeleton. Study it and answer questions 7 and 8.



7. Name the movable joint located at the point labelled **Y**.

.....

8. Identify any **one** injury that can occur at point **Y**.

.....

9. State **one** characteristic of seeds dispersed by water.

.....

10. Give any **one** condition that can make man vulnerable.

.....

11. How does the practice of keeping fish in a pond at home control malaria?

.....

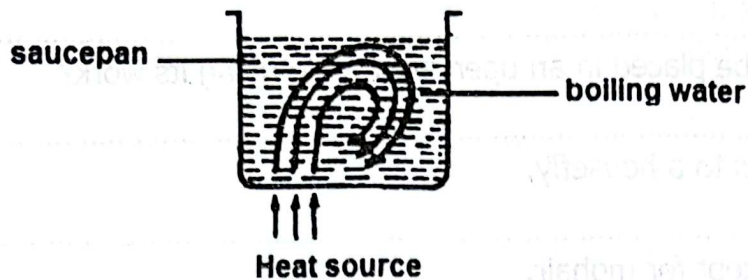
12. Mention **one** natural method of birth control.

.....

13. How does sun drying help to preserve harvested crops?

.....

Below is a method of heat transfer. Use it to answer the questions **14** and **15**.



14. By what process does heat travel through the boiling water?

15. What do the arrows in the water represent?

16. Give **one** function of blood plasma.

17. Identify any **one** disorder of the human teeth.

18. State **one** way in which plants are used as energy resources.

19. Mention any **one** example of a chemical change that requires oxygen to occur.

20. What is the main duty of the drone bee in the colony?

21. Write **one** characteristic of arthropods.

22. In which way are plant leaves adapted to making food?

23. Form a correct food chain using the organisms below.

Squirrel, groundnuts, bacteria, python

24. What do we call the frequent passing out of watery stool with blood stains?

25. Name the type of root system drawn below.



26. How do earthworms increase air circulation in the soil?

27. Why should a rain gauge be placed in an open area while doing its work?

28. Give the function of halteres to a housefly.

29. Name the breed of goats kept for mohair.

30. What role does sugar play in the Oral Rehydration Solution given to a cholera patient?

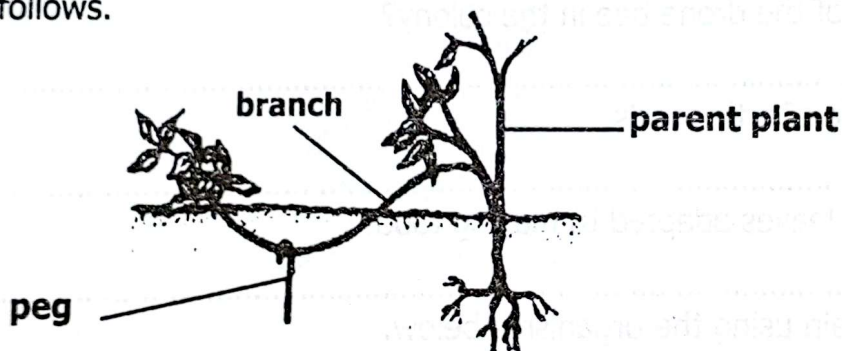
31. State the energy change that takes place in a bicycle dynamo.

32. Give any **one** characteristic of enzymes.

33. Write **one** method of applying fertilisers in the garden.

34. How are birds able to overcome viscosity friction during flight?

The diagram below shows a method of propagation. Study it and answer the question that follows.



35. Name the method of plant propagation shown in the diagram above.

36. In which body organ does filtration of blood take place?

37. State **one** effect of smoking to a pregnant woman.

38. Name the fungus that normally develops on the left over foods.

39. How is a kink of a clinical thermometer similar to the valves of the human heart?

40. A vacuum flask is an important device in a home. Why is it not common in rural homes?

SECTION B: 60 MARKS

Questions 41 to 55 carry four marks each

41. (a) Which tissue joins muscles to bones at the joint?

.....
(b) Mention any **two** examples of involuntary muscles.

i)

ii)

(c) State any **one** function of the human skeleton.

42. (a) Give any **one** cause of accidents at home.

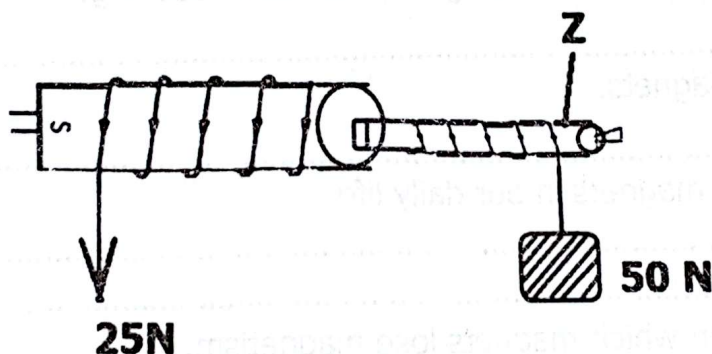
.....
(b) Identify the type of accident which involves the following first aid activities:

(i) applying clean cold water on the injured part.

.....
(ii) tying splints around the injured part.

.....
(c) Why should milk be given to a person who has taken rat poison?

43. Below is a diagram of a simple machine. Study it and answer the questions that follow.



- a) To which group of simple machines does the above machine belong?

-
b) Name the part of the machine labelled **Z**.

-
c) Use letter **E** to indicate the position of the effort on the machine.

- d) Calculate the mechanical advantage of the above machine.

44. (a) Mention **one** example of a leguminous crop.

(b) State **one** characteristic of leguminous crops.

(c) To which group of flowering plants do legumes belong?

(d) How do leguminous crops improve soil fertility?

45. (a) State any **two** indicators of poor sanitation in a home.

i)

ii)

(b) Mention **two** dangers of poor sanitation in a home.

i)

ii)

46. (a) Mention any **two** methods of preparing food to make it ready for eating.

i)

ii)

(b) What is the importance of cooking meat before eating it?

(c) Why do most people cover food during the process of cooking?

47. (a) State the law of magnets.

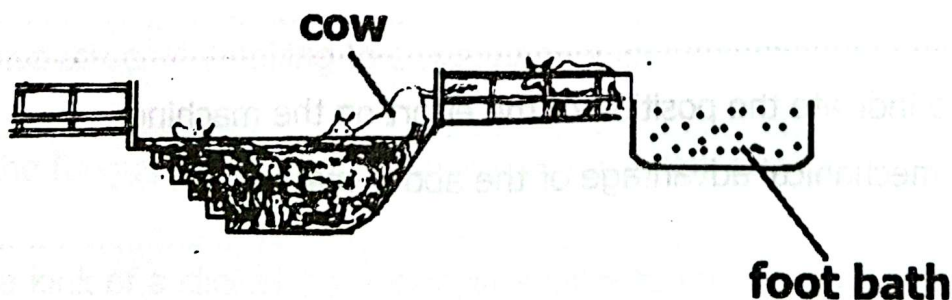
(b) Give any **two** uses of magnets in our daily life.

i)

ii)

(c) Identify any **one** way in which magnets lose magnetism.

48. The diagram below shows a routine practice done on a certain cattle farm. Use it to answer the questions that follow.



a) Name the routine practice shown in the diagram above.

b) How important is the above practice on a cattle farm?

c) Give the importance of a foot bath on the above structure.

d) State **one** cattle pest that can be controlled using the above practice.

49. (a) Mention any **two** examples of tuber crops.

i)

ii)

(b) Write **one** method used to harvest tuber crops.

(c) Give any **one** method of controlling tuber crop pests in the garden.

50. Match the items in list **A** to their meaning in list **B**.

| LIST A | LIST B |
|-------------|--|
| i) Capacity | - The space occupied by an object. |
| ii) Volume | - The amount of matter in an object. |
| iii) Mass | - Gravitational force acting on an object. |
| iv) Weight | - Amount of liquid a container holds. |
| | - How light or heavy an object is. |

i) Capacity

ii) Volume

iii) Mass

iv) Weight

1. (a) Give **two** waste products removed from the body by the lungs.

i)

ii)

(b) Why are lungs grouped under excretory organs?

(c) Mention **one** antisocial behaviour that damages the lungs.

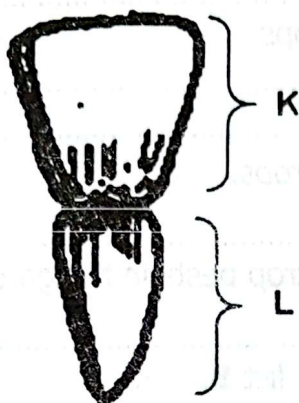
2. (a) Write **one** type of poultry reared in Uganda.

(b) Why is poultry called a business?

(c) State **one** cause of poultry vices.

(d) Give any **one** way farmers control vices on their poultry farms.

53. The diagram below shows a type of tooth. Use it to answer questions that follow.



a) Identify the type of tooth drawn above.

b) Name the regions of the tooth labelled **K** and **L**.

i) **K**

ii) **L**

c) How is the above tooth adapted to its function?

54. (a) Which type of immunity is got through immunization?

(b) Give **one** method used to administer vaccines to babies.

(c) How is a child health card useful to the:

(i) mother

(ii) nurse

55. (a) State **two** characteristics of images formed by plane mirrors.

i)

ii)

(b) Why are plane mirrors called optical instruments?

(c) State any **one** use of plane mirrors in our daily life.

END