

MBARARA ARCHDIOCESE

PRE – PRIMARY LEAVING EXAMINATION 2023

INTEGRATED SCIENCE

Time allowed: 2 hours 15 minutes

Index No.

:

School EMIS						Personal No.		

Candidate's Name

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Candidate's Signature :

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School Name

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Parish

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Read the following instructions carefully:

1. The paper has **two** sections: **A** and **B**
2. Section **A** has 40 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.

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		17 mks

SECTION A: 40 MARKS

Questions 1 to 40 carry one mark each

1. Name **one** body organ responsible for body balance.
.....
2. Mulongo boiled milk and as she was putting it in the flask, it poured on her leg. What kind of accident did the leg get?
.....
3. How is a proboscis useful to a female anopheles mosquito?
.....
4. Which disease in cattle is spread to humans through drinking unboiled milk from cows?
.....
5. Why are people advised to dry their hands before touching any electric appliance?
.....
6. How are the sea mammals able to survive the coldness at the bottom of the sea?
.....
7. What childhood killer disease are infants immunized against at the age of nine months?
.....
8. Give **one** way mineral resources can be protected from getting exhausted.
.....
9. Name the type of soil erosion that leads to formation of bug channels of water.
.....
10. State **one** way the free range system of rearing poultry is important to birds.
.....

The diagram below shown an eye defect. Study it and answer questions 11 and 12.



11. Name the eye defect shown by the diagram above.
.....
12. Identify the type of lens that can be used to correct the above eye defect.
.....
13. Give **one** characteristic that prevents a tick from being grouped under insects.
.....

14. Mention **one** way plants protect themselves from enemies.

15. Write **one** activity at school that requires the use of pulleys.

*16. Which method of heat transfer enables farmers to dry harvested seeds in their compounds?

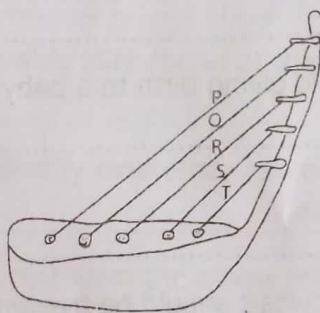
*17. Mention **one** process involved in the production of distilled alcohol.

18. State **one** way of killing vectors in beddings.

*19. Why are people advised to put a hard object in the mouth of a convulsing person?

20. What type of teeth develop first in babies?

The diagram below shows a musical instrument. Study it and use it to answer the questions that follow.



21. Name the musical instrument drawn above.

22. How does the above instrument produce sound?

23. State **one** way a P.7 pupil can avoid contracting skin diseases.

24. Mention **one** vertebrate animal that uses a shell for protection.

25. Give **one** method of applying manure in the garden.

*26. Apart from filtration, state **one** other method of making water clean for washing.

27.State **one** effect of food taboos to people in the community.

28.How is a micropyle useful to a bean seed during germination?

29.Why is a first aid box always painted with bright colours?

30.How does wind help in the drying of wet clothes?

The diagram below shows two different shapes of red blood cells. Use it to answer the questions that follow.



A



B

31.Name the diseases that made the blood cell to change from shape A to B.

32.Why are chemical changes said to be permanent changes?

33.In which way can a pregnant woman avoid giving birth to a baby with weak bones?

34.How are echoes useful to sailors?

35.Give **one** reason why patients with tuberculosis should be treated in isolation.

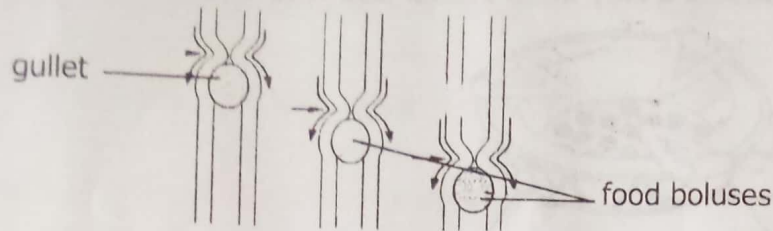
36.Name the type of objects that allow light to pass through them.

* 37. What role does the epiglottis play during swallowing food?

38.Name the part of the skeleton that protects the lungs.

39.How do rollers help to reduce friction between machines?

40. The diagram below shows the movement of food through the gullet.



What term is used to describe the movement of food shown in the diagram above?

SECTION B: 60 MARKS

Questions 41 to 55 carry four marks each

41.(a) State **one** method used for milking in cattle.

(b) Give any **two** conditions of obtaining clean milk from cows.

i)

ii)

(c) How is a strip cup useful on a dairy farm?

42.(a) Mention the type of movable joint found at the elbow.

(b) Apart from the elbow, identify **one** other example of the type of joint in (a) above.

(c) State **one** pair of bones that form the elbow joint.

(d) State any **one** function of a skeleton.

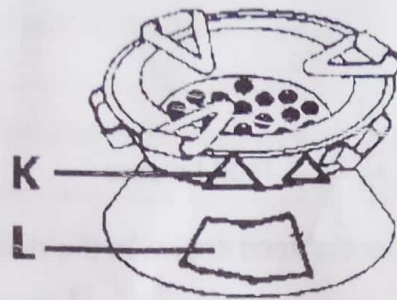
43.(a) To which group of flowering plants does a maize plant belong?

(b) What type of venation does a maize plant have?

(c) Name the kind of roots the maize plant develops during the fruiting stage.

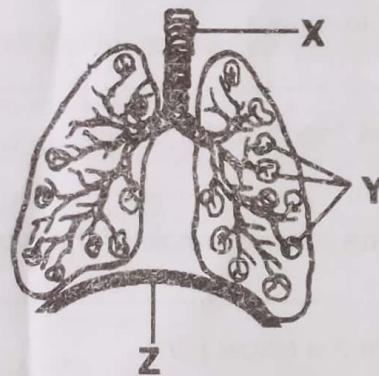
(d) Give **one** characteristic that makes a maize plant to undergo cross pollination.

44. The diagram below shows a clay lined stove. Use it to answer the questions that follow.



- Name the commonest fuel used in the above stove.
.....
- Give the importance of holes marked **K** and **L**.
 - K**
 - L**
- How does the above stove help to reduce deforestation?
.....

45. Below is a diagram showing the respiratory system. Use it to answer the questions that follow.



- Name the part labelled **Z** on the above diagram.
.....
- Which structures prevent part **X** from closing?
.....
- Identify the important process that takes place in structures labelled **Y**?
.....
- State **one** routine practice that can keep the above system in good working condition.
.....

- 46.(a) Give **one** system of rearing poultry.
.....

(b) Why do people keep poultry?
.....

(c) State **two** structural differences between a hen and a cock.

-
-

47.(a) Name the common liquid used in a clinical thermometer.

(b) What is the major use of a clinical thermometer?

(c) Of what importance is a kink in a clinical thermometer?

(d) Why is it not advisable to sterilize a clinical thermometer by boiling?

48.(a) During what type of weather is the rate of transpiration very high?

(b) Mention any **two** factors that affect the rate of transpiration.

i)

ii)

(c) Give **one** way plants control the rate of transpiration.

49. Madam Joanita's daughter was seen with the following signs: sunken eyes, sunken fontanelle with no tears from eyes while crying.

a) What condition was madam Joanita's daughter having?

b) Write down any **two** things that led her daughter to have the above condition.

i)

ii)

c) What advice can you give to Madam Joanita to save her daughter from the above condition?

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

LIST A

Lambing

Farrowing

Kindling

Kidding

LIST B

Act of giving birth by a sow.

Act of giving birth by a nanny goat.

Act of giving birth by a ewe.

Act of giving birth by a doe.

Act of giving birth by a horse.

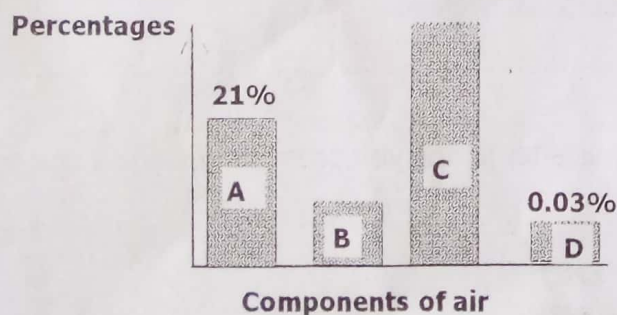
a) Lambing

b) Farrowing

c) Kindling

d) Kidding

51. The illustration below shows the percentages of components of air in the atmosphere.



a) Mention **one** process in the environment supported by component marked **A**.

b) Name the component of air labelled **B**.

c) What percentage does the component marked **C** occupy in the atmosphere?

d) Give the plant process supported by the component of air marked **D**.

52.(a) Write **one** condition for rusting to take place.

(b) Why is rusting of metals said to be a chemical change?

(c) State **two** ways of controlling rusting in metallic tools.

i)

ii)

53.(a) Give **one** advantage of crop rotation.

(b) Which group of crops help to increase soil fertility when included in crop rotation?

(c) Give **one** example of the crops mentioned in (b) above.

(d) Apart from crop rotation, mention **one** other crop growing practice that improves soil fertility.

54.(a) Give **two** ways in which plants depend on animals.

i)

ii)

(b) State **two** ways in which animals depend on plants.

i)

ii)

55.(a) Mention **one** place where germs breed from.

(b) Give **two** activities done to promote personal hygiene.

i)

ii)

(c) How does the practice of washing hands after latrine visit promote personal hygiene?

END

Mbarara Archdiocese Pre PLE 2023