



A CHANCE FOR CHILDREN
PRIMARY SCHOOLS EXAMINATIONS BOARD 2020
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END OF TERM II EXAMINATIONS P.7

INTERGRATED SCIENCE AND HEALTH EDUCATION

Time allowed: 2hours and 15minutes

NAME: CLASS:

SCHOOL NAME:

DISTRICT:

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

Read the following instructions very carefully:

1. This paper is made of two sections **A** and **B**.
2. Section **A** has 40 questions (40 marks) and section **B** has 15 questions (60 marks)
3. Answer all questions. All answers to both sections **A** and **B** must be written in the spaces provided.
4. All answers **must** be written using a Blue or Black ball-point pen or fountain pen. Diagrams should be drawn in pencil.
5. Any handwriting that cannot be read easily may lead to loss of marks.
6. Unnecessary changes of work may lead to loss of marks.
7. Do not fill in the boxes shown “For Examiner’s Use Only.”

For Examiner’s Use Only		
Qn. No.	Marks	Sign
1-10		
11-20		
21-30		
31-40		
41-43		
44-46		
47-49		
50-52		
53-55		
TOTAL		

SECTION A: (40 marks)

1. Name any **one** element of a clean home.

2. Apart from deforestation, give any **one** other way natural vegetation is misused by man.

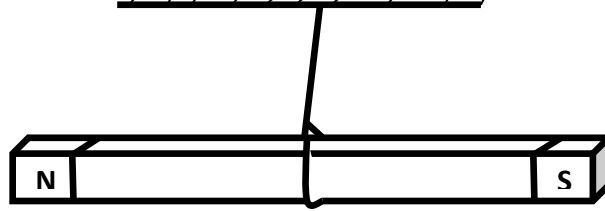
3. State any **one** factor to consider when classifying birds in the environment.

4. In which **one** way do scavenger birds help to clean the environment?

5. Give any **one** activity a family can do in order to have enough food throughout the year.

6. Identify the largest sense organ found on the body of a human being.

The diagram below shows a property of a magnet. Use it to answer question 7.



7. How is the property of the magnet shown above useful in the environment?

8. In which **one** way does painting of metals help to prevent rusting of metals?

9. Why is a toilet made in such a way that after flushing, water remains under the bowl?

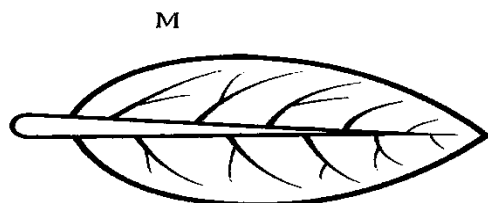
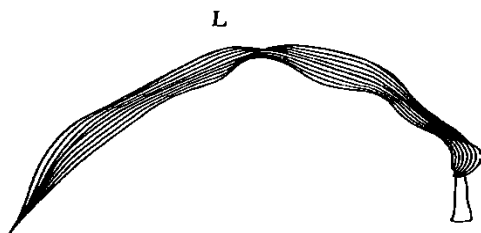
10. Write down any **one** farm practice that harms cattle on the farm.

11. Name the type of respiration that takes place without the presence of oxygen in the environment.

12. State one functional difference between a switch and a fuse.

13. Why is an Irish potato grouped under stem tubers?

The diagrams below show leaves of flowering plants. Study and use them to answer question 14 and 15.



14. Which group of flowering plants possesses the leaf venation **M**?

15. Name the type of leaf venation labelled **L**.

16. Mention **one** reason why lightning is seen before thunder is heard during thunderstorm.

17. In which **one** way are magnets useful to a doctor in the hospital?

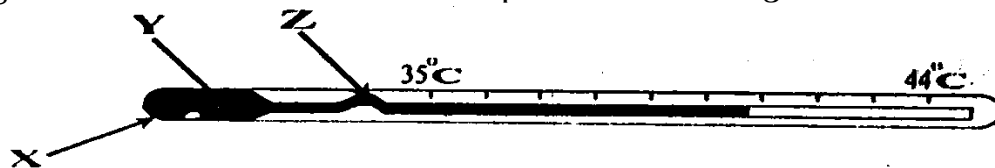
18. Name the vector in the **4Fs** that spreads trachoma in the environment.

19. What name is given to the pigment in Red Blood Cells that helps them to trap and transport oxygen to all parts of the body?

20. Give any **one** example of a plant with root nodules in their root system.

21. In which **one** way does a crop farmer benefit from a nearby poultry farm?

Study the diagram below and use it to answer question 22 and 23.



22. Name the part marked X in the diagram above.

23. What is the importance of part marked Z in the diagram above?

24. Give **one** way bats are similar to grasshoppers in terms of movement

25. Give any **one** way of conserving energy resources in the environment.

26. Suggest any **one** reason why most families living in rural areas have many children in Uganda.

27. In which state of matter does sound travel fastest?

28. Name the method of planting where a string is used by a farmer in the garden.

29. Suggest any **one** way of reducing echoes in cinema halls.

30. Why is blood pumped to the heart before being pumped to all body parts?

31. What general name is given to the three bones found in the human ear?

32. Give any **one** way in which people commonly use tobacco in the community.

33. Name the type of pollination that takes place in flowers that have brightly coloured petals.

34. Mention **one** way of preventing tapeworm infection at home.

-
35. What kind of energy is possessed by water at 100°C ?
-
36. Write down any **one** way a P.7 pupil can help in the control of Corona Virus disease.
-
37. How does the habit of bees visiting flowers beneficial to crop farmers?
-
38. Mention any **one** natural cause of the family failing to have enough food in the community.
-
39. How does poultry keeping help in the control of food deficiency diseases in the community?
-
40. Change 100°C into $^{\circ}\text{F}$
-

SECTION B: (60 Marks)

41. The table below shows different food stuffs prepared by different families. Study the table below and answer the questions that follow:

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

- a) Which family will be able to have vitamin **C**?
-
- b) Which family has proteins but lacks fats?
-
- c) What food nutrients are lacking in family **A**?
-
- d) Identify the family with almost a balanced diet.
-
42. a) In which state of matter is water at room temperature?
-
- b) What will happen to the mass, volume and density of water when it is frozen to ice?
- i. Mass; _____
- ii. Volume; _____
- iii. Density; _____
-
43. a) Mr. Bamuloba grows maize on large scale. Mention **one** factor Mr. Bamuloba considered before starting maize growing.
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b) Name any **one** common pest that is likely to be found in Mr. Bamuloba's garden.

c) What advice would you give to Mr. Bamuloba in order to control the above mentioned pest?

d) Why should you encourage Mr. Bamuloba to introduce bee keeping on his maize farm?

44. Use the list of invertebrates below to answer the questions that follow

Tapeworm

Millipede

crab

cockroach

mosquito

centipede

a) Mention any **two** of the invertebrates in the list above that are vectors to people.

i. _____ ii. _____

b) Identify **two** invertebrates in the list above that are myriapods.

i. _____ ii. _____

45. Study the diagram below of bottles with water and answer questions that follow.

Bottle A



Bottle B



Bottle C



a) Which of the three bottles **A**, **B** and **C** will produce the highest pitch of sound when air is blown in the bottles?

b) Give a reason for your answer in (a) above.

c) Give one way of storing sound produced by the above bottles.

d) Write down any one device used for reproducing the stored sound.

46. a) Which part of an egg develops into a chick?

b) Why is an egg shell of porous?

c) Give **one** reason why some chicken lay eggs that have soft shells.

d) How do layers (in poultry) contribute to the health of the people in the community?

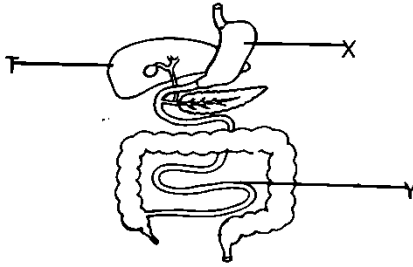
47. a) Name the part of a maize grain that supplies the food to the growing embryo.

b) Apart from the maize grain, write down **two** other examples of cereals.

i. _____ ii. _____

c) Name the type of leaf venation in monocotyledonous plants.

48. The diagram below shows a body system. Study it and use it to answer the questions that follow.



a) Name the organs marked with letters:-

i. **T** _____ ii. **X** _____

b) State **one** adaptation of part **Y** to its function.

c) Give **one** health habit that keeps the body system above in a good working condition.

49. Porridge accidentally poured on the hand of a P.7 boy.

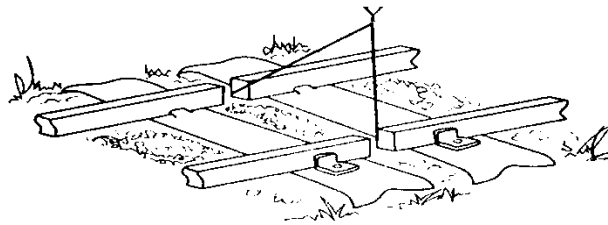
a) What injury did the boy get?

b) Name **one** material that can be used to give first aid to the boy.

c) Why is it not advisable to put cow dung or soil on the injury the boy got?

d) Give **one** way of preventing such injuries at home.

50. The diagram below shows a railway line. Study it and use it to answer the questions that follow.



a) State the importance of gaps marked Y on a railway line.

b) What would happen if gaps marked Y were not left in a railway line?

c) Apart from the one illustrated above, write **two** other effects of heat on matter.

i. _____ ii. _____

51. a) Apart from weaning babies, give two other examples of vulnerable groups of people.

i. _____ ii. _____

b) State any one advantage of breast feeding to the baby.

d) Mention any one condition that can lead to breast feeding.

52. Match the following farming practices in list **A** to their meanings in list **B**

LIST A

Thinning

Gap filling

Weeding

Mulching

LIST B

the removal of excess seedlings from the nursery bed.

the covering of top soil with dry plant materials.

the replacement of seeds that fail to germinate.

the removal of unwanted plants from the garden.

i. Thinning; _____

- ii. Gap filling; _____
- iii. Weeding; _____
- iv. Mulching; _____

53.a) What name is given to the process that turns sugar to alcohol?

b) Apart from making alcohol, state **two** other ways the process you have named above can be useful to humans.

- i. _____
- ii. _____

c) Name the fungus used in this process.

54. Simon played a guitar and Sam who was 9m away heard the sound.

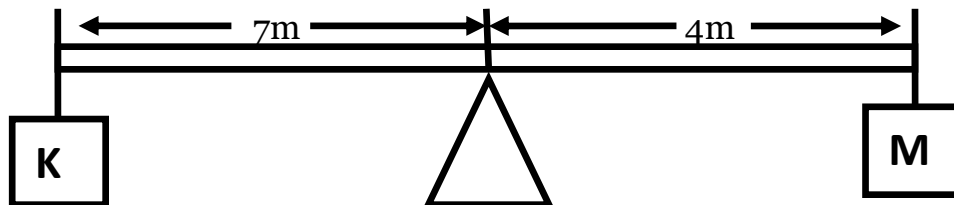
a) How did the sound from the guitar reach Sam?

b) How was the sound from the guitar produced?

c) In which **one** way are echoes useful to sailors?

d) What term is used to describe the number of vibrations produced per second?

55. The diagram below shows two loads balancing on a see saw. Use it to answer the questions that follow.



a) Which load is heavier?

b) Give a reason for your answer in (a) above.

c) Use letter **B** to show the pivot.

d) To which class of levers does the see saw belong?

END

Good luck,